EPA Region 5 Records Ctr.
332687

FINAL LETTER REPORT
FOR
THE VITCO INCORPORATED SITE ASSESSMENT
NAPPANEE, ELKHART COUNTY, INDIANA

Prepared for:

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region V
Emergency Response Branch
77 West Jackson Boulevard
Chicago, Illinois 60604

Prepared by:

WESTON SOLUTIONS, INC.
750 East Bunker Court, Suite 500
Vernon Hills, Illinois 60061

Date Prepared	July 7, 2008
TDD Number	S05-0001-0805-002
Document Control Number	441-2A-ACHD
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START Project Manager	Heidi M. Gorrill
Telephone No.	(847) 918-4069
U.S. EPA On-Scene Coordinator	Theresa Holz

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July 2008

Prepared by: _____ Date July 7, 2008
Twunjala Bradley
WESTON START Site Lead

Prepared by: _____ Date July 7, 2008
Heidi Gorrill
WESTON START Project Manager

Approved by: _____ Date July 7, 2008
Pamela Bayles
WESTON START Program Manager

Weston Solutions, Inc.
750 E. Bunker Court, Suite 500
Vernon Hills, IL 60061-1450
(847) 918-4000 fax: (847) 918-4055
www.westonsolutions.com

July 7, 2008

Ms. Theresa Holz
United States Environmental Protection Agency
77 W. Jackson Boulevard (SE-5J)
Chicago, Illinois 60604

Re: Vitco Incorporated Site Assessment
Nappanee, Elkhart County, Indiana
TDD: S05-0001-0805-002
DCN: 441-2A-ACHD
WO#: 20405.012.001.0441.00

Dear Ms. Holz:

The United States Environmental Protection Agency (U.S. EPA) tasked the Weston Solutions, Inc., (WESTON®) Superfund Technical Assessment and Response Team (START) to assist U.S. EPA in performing a site assessment at the Vitco Incorporated Site (Site) located in Nappanee, Elkhart County, Indiana (Attachment A, Figure A-1). Under Technical Direction Document (TDD) number S05-0001-0805-02, U.S. EPA requested that WESTON START conduct a site assessment including assessing and sampling unknown containers, perform air monitoring, collecting photographic documentation, and evaluating the potential for imminent and substantial threats to human health, welfare, and the environment posed by the Site. On May 9, 2008, WESTON START conducted a site assessment under the direction of U.S. EPA On-Scene Coordinator (OSC) Theresa Holz.

SITE DESCRIPTION

The Site, located at 900 West Wabash Avenue (41.438912 degrees [°] north and 85.990666° west), Nappanee, Elkhart County, Indiana, is located on the southeast side of Nappanee, in a mixed residential, industrial, and commercial area (Figure A-1). The Site is a vacant industrial metal fabrication facility and includes a two-story manufacturing building, two separate smaller buildings, and a loading dock. A fourth building, south of the main building, was completely destroyed during an October 2007 tornado, leaving only a steel frame. The entire property is enclosed by a chain-link

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fence. The two-story building consists of manufacturing, warehouse, storage, and office space. The Site is bounded to the north by railroad tracks, the east by vacant fields, and the south and west by industrial properties. Residential properties are located southwest and north of the Site.

BACKGROUND

According to the Indiana Department of Environmental Management (IDEM), the metal fabricating facility began operations in 1986 and closed in 2002. According to IDEM officials, operations that were performed at the Site included porcelain enamel applications to metal products and metal plating. Currently the Site is abandoned with materials and chemicals left in place including numerous plating and dip vats, drums, small containers, and process equipment. A transformer was also observed outside the main building by IDEM personnel during a previous site assessment.

On April 30, 2008, based on observations from an IDEM during a previous site assessment, IDEM requested assistance from the U.S. EPA Region 5 Emergency Response Branch to evaluate potential threats to human health, welfare, and the environment posed by the Site. The Site's process equipment, machinery, surplus supplies, tools, and mechanical parts was recently scheduled for an auction, causing IDEM officials to be concerned that the Site may have been auctioned to a new owner that may not properly handle the on-site waste. Therefore, auction activities were suspended pending the results of U.S. EPA's site assessment.

SITE ASSESSMENT ACTIVITIES

On May 9, 2008, U.S. EPA OSC Theresa Holz mobilized to the site with WESTON START members Lorie Ambrosio, Michael Browning, and Twunjala Bradley. After a brief safety meeting, equipment calibration, and set-up, OSC Holz and WESTON START walked the Site to develop a sampling strategy and document site conditions. The Mayor of Nappanee arrived at the Site at 1030 hours to speak to OSC Holz and departed shortly thereafter.

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During the site assessment, WESTON START monitored the three buildings with a Micro-R radiation meter which returned no elevated readings. A MultiRae photo ionization detector and ammonia ToxiRae was also used to monitor the buildings' breathing zones. WESTON START also used a personal dataRAM (PDR) to monitor the dust levels. There were three instances where the PDR alarmed due to dust that had stirred up during the buildings' walk through. No air monitoring readings above background levels on the MultiRae and ToxiRae were recorded for the breathing zone in the three buildings.

WESTON START provided written and photographic documentation (Attachment B) of the Site's conditions. WESTON START documented the presence of numerous drums, small containers, vats, and process tanks throughout the three buildings. WESTON START also screened some containers contents with pH paper and used a MultiRAE to screen container headspaces for carbon monoxide, volatile organic compounds, hydrogen sulfide, oxygen, and explosive gases. Based on air monitoring results, field pH results, and visual observations, OSC Holz and WESTON START documented potential environmental threats and designated containers and process equipment to be sampled.

SITE OBSERVATIONS

The Site appeared to be in disarray due to the October 2007 tornado that caused extensive damage to two of the three buildings on site. WESTON START observed numerous broken windows, roof damage, missing walls, and a partial roof collapse on the third building (east of the main building). Water damage within the main building was also observed as a result of the roof damage. Trash and debris piles were observed throughout the main building as well as the Site grounds. Process equipment, tools, machinery, and forklifts, were stored and organized in the warehouse area. WESTON START observed a breech in the security fence on the north side of the Site near the railroad tracks. Several schools and residential areas are within one mile of the Site.

Based on the site reconnaissance, WESTON START observed the following:

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- Numerous 55-gallon poly and steel drums located throughout the main building. Some containers were empty to partially full and labeled "corrosive", "oxidizers", "sodium aluminate", or "hydraulic oil." Most containers were either not labeled or the label did not match the contents. Therefore, most container contents were unknown. At several locations throughout the Site, containers were carelessly stored, severely rusted and leaking, and were not properly sealed.
- Vats containing various quantities of liquids as well as some powder and solid residue. Most of the vats were tested for pH during the site assessment with results ranging from 1 to13.5 standard units (s.u.)
- Several large process tanks and totes. Most were empty or contained small amounts of material/liquids with generic labeling and no hazardous class identification.
- Large stockpiles of equipment, tools, process materials, machinery, and mechanical parts. These items were stored in a warehouse area of the main building and tagged for auction. Some of the process equipment and machinery contained oily residue on their parts. Office space within the main building included desks, file cabinets, computers, and electronics also tagged for auction. WESTON START observed several large press machines with heavy, oily staining on and around the machines.
- Easy access to site structures. The front entrance door of the main building was ajar during initial site entrance. Although the Site was fenced, WESTON START observed a breech in the fence along the north property line near the rail road tracks. Access to the buildings appeared unrestricted with broken windows and large, gapping openings from structural damage. In addition, operations at the Site have long ceased, making the Site vulnerable to trespassing and vandalism.
- Severe structural damage to the main and third building. Large openings in the buildings, roof damage, and broken windows within the main building were observed. In several areas, the buildings' ceilings had visible water damage and water was leaking inside the building.
- Caches of what appeared to be paints and solvents. WESTON START observed in the property's second building on a dilapidated shelf.
- Large press machines and other process equipment and materials tagged for auction. WESTON START observed oil residue around these press machines which were exposed due to the partial roof collapse and missing wall of the third building.
- Stockpiles of unopened bags labeled "clay" and various opened and unopened containers containing potential pigments, enamels, and ceramics on the main building's second level. In addition, several glass jars with various solids and powders, some labeled "boric acid" and "zinc oxide", were observed in a laboratory area on the second level.

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- A desk in the main building containing small poly containers labeled "sodium hydroxide" and other small vials and bottles of unknown chemicals. A red, poly, biohazard bin was observed in an office of the main building; the bin appeared to be empty.
- A taped-off area in the main building containing potential laboratory/sampling chemicals and preservations. WESTON START noted a bottle labeled "sulfuric acid" and poly containers of pH buffer solutions.
- In a room in the main building, yellow-stained soil, and a gray solid substance having a spongy texture that retained its shape after disturbance.
- Exterior site conditions including trash, debris, and three electrical transformers labeled to indicate that test samples resulted in no polychlorinated biphenyl (PCB) readings above 50 parts per million inside the transformers. WESTON START observed no visible staining around the transformers. A small stockpile of black soil or fill was also observed along the north fence line in a grassy area.

SAMPLING ACTIVITIES

Based on observations, field pH results, and air monitoring results, WESTON START and OSC Holz tagged three vats, one drum, three areas of soils/solids, one small container, and one piece of process equipment with oily residue for sampling. WESTON START collected nine investigative samples for materials characterization to further determine if the Site poses imminent and substantial threats to human health, welfare, and the environment from the presence of potentially hazardous materials. Table C-1 provides the sample identifications, descriptions, and associated analyses.

WESTON START personnel donned Level D personal protective equipment for the sampling events. The waste liquid, solid, and soil samples were collected using plastic scoops and placed into pre-cleaned, eight-ounce glass sample jars. The wipe sample was collected using gauze pads that were preserved with hexane (PCB analysis) and water (metal analysis) and then placed into four-ounce jars. All 9 samples collected were labeled, properly packaged, and placed on ice immediately after collection and accompanied by a completed chain-of-custody record during transport to TestAmerica Laboratories in Valparaiso, Indiana.

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ANALYTICAL RESULTS

Tables provided in Attachment C summarize the analytical results for all nine samples. Samples analyzed for PCBs were compared to 40 Code of Federal Regulations (CFR) Part 761. Samples analyzed for target analyte list (TAL) metals were compared to the U.S. EPA Region 3 risk-based concentration (RBC) criteria. Total cyanide and pH results were compared to the hazardous waste criteria in 40 CFR Part 261.

Attachment D provides the original laboratory analytical data and data validation reports for these samples. Tables C-2 through C-4 summarize the analytical results. Laboratory analysis of the samples yielded the results summarized below.

- Samples VS-S01-050908, VS-S02-050908, VS –S03-050809 and VS-WS01-050809 contained total arsenic concentrations ranging from 2.8 milligrams per kilogram (mg/kg) to 68 mg/kg. These results exceed the U.S. EPA Region 3 RBCs for industrial clean up levels (1.9 mg/kg) (Attachment C, Table C-2).
- Soil sample VS-S02-050908 contained detectable levels of total cyanide. According to 40 CFR 261.23, a solid exhibits the characteristic of reactivity if it is a cyanide- or sulfide-bearing waste which, when exposed to pH conditions between 2 and 12.5 s.u., can generate toxic gases, vapors, or fumes in a quantity sufficient to present a danger to human health or the environment (Attachment C, Table C-2).
- Vat samples VS-WL01-050908 and VS-WL02-050908 had pH concentrations of 12.7 and 1.72 s.u., respectively. According to 40 CFR261.22, a solid waste exhibits the characteristic of corrosivity if a representative sample of the waste is aqueous and has a pH less than or equal to 2 or greater than or equal to 12.5 (Attachment C, Table C-3).
- None of the samples analyzed for PCBs exceeded the comparison criteria of 50,000 micrograms per kilogram.

THREATS TO HUMAN HEALTH AND THE ENVIRONMENT

Factors to be considered in determining the appropriateness of a potential removal action at a site are delineated in the National Oil and Hazardous Material Contingency Plan at 40 CFR 300.415(b)(2). A summary of the factors applicable to the Site is presented below.

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- **Actual or potential exposure of nearby human populations, animals, or the food chain to hazardous substances, pollutants, or contaminants**

  Laboratory analytical and field testing results indicate that the materials on-site contain materials classified as hazardous waste. Corrosive materials were identified in vats located in the main building.

  Access to the Site is unrestricted due to a breech in the site security fence, large gaping openings in the main and third building as well as numerous broken windows which could be potential entry points for trespassers and vandals. The Site is located in a mixed residential and industrial/commercial area. Trespassers at the Site could contact hazardous materials located in the vats and/or cause the accidental or intentional release of hazardous material from the Site.

- **Hazardous substances, pollutants, or contaminants in drums, barrels, tanks, or other bulk storage containers that may pose a threat of release**

  As described above, several vats at the Site contain strong acids and bases, and some solid materials containing cyanide and arsenic. The vats are uncovered and exposed to the elements due to the dilapidated roof structure. These pollutants could be released due to trespassers and vandalism and. The main building's structural integrity appeared compromised due to an October 2007 tornado that caused extensive damage. Potential releases and/or leakage of the following exists: laboratory chemicals, process materials, drums and small containers in poor condition containing potential unknown materials; and process equipment containing used oil. Leaking material could potentially migrate from the building and off site through the floor drain(s) or surface flow and enter the storm or sanitary sewer system.

- **Weather conditions that may cause hazardous substances, pollutants, or contaminants to migrate or be released**

  As mentioned above, the main building's structural integrity appeared compromised due to an October 2007 tornado that caused extensive damage. Several roof leaks were observed during the site assessment activities. Therefore, as stormwater enters the building through the compromised roof structure, a potential exists for pollutants/contaminants to be released to the environment via overflow during rain and storm events. Rain events can also result in the run-off of contamination from surficially stained soil and increased infiltration of contaminants to the subsurface.

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CONCLUSIONS AND RECOMMENDATIONS

WESTON START collected nine samples that were analyzed for TAL metals, total cyanide, pH, and PCBs. Results indicated that two of the sampled vats contained hazardous wastes exhibiting the characteristic of corrosivity, and one soil sample has the potential of exhibiting the characteristic of reactivity, if exposed to liquids with pH values between 2 and 12.5 s.u. In addition, several of the soil/solid samples contained arsenic levels exceeding the U.S. EPA Region 3 RBC criteria for industrial soils.

WESTON START personnel determined that pollutants were present on Site in dilapidated, small containers; drums; and stockpiles of laboratory chemicals, pigments, and oily process equipment that could potentially pose a threat of release and an imminent and substantial threat to human health, welfare, and the environment. Uncontrolled hazards identified at the Site include:

- Materials exhibiting hazardous waste characteristics of corrosivity and reactivity
- Contaminants stored in open and decrepit containers
- Unrestricted site access including breech and site security fence
- Questionable integrity of building structures, including a dilapidated, leaking roof; gapping building openings; and numerous broken windows
- Potential off-site migration pathways from the pollutants inside the main building

Based on the information gathered during the site assessment, WESTON START recommends:

- The structural integrity of the Site's buildings should be evaluated
- Pollutants should be fully characterized and mitigated
- Basic site housekeeping should be performed before any auction activities. Housekeeping would include, at minimum, removing all uncontrolled pollutants from the Site to reduce the potential for a release of hazardous materials that could result in, but not be limited to, potential exposures of human populations to Site contaminants
- Temporarily restrict site access prior to removal of uncontrolled pollutants

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- An emergency removal action may be needed to address Site hazards and to mitigate the imminent and substantial endangerment posed to human health, welfare, and the environment by Site conditions

If there are any questions or comments regarding this report, please do not hesitate to contact WESTON START at 847-918-4000.

Very truly yours,

WESTON SOLUTIONS, INC.

Twunjala Bradley
WESTON START Site Lead
(847) 918-4049

Heidi M. Gorrill
WESTON START Project Manager
(847) 918-4069

Attachments:
Attachment A – Figure
Attachment B – Photo Log
Attachment C – Data Tables
Attachment D – Laboratory Analytical Reports

cc: WESTON START DCN File
Gail Stanuch, U.S. EPA

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ATTACHMENT A

Figure

File: D:\Vitco\mxd\Site_Location.mxd, 07-Jul-08 10:00, wojdakon

Legend

0 300 Feet

N

NOTES:
Imagery Source:
http://gis.iu.edu:8502

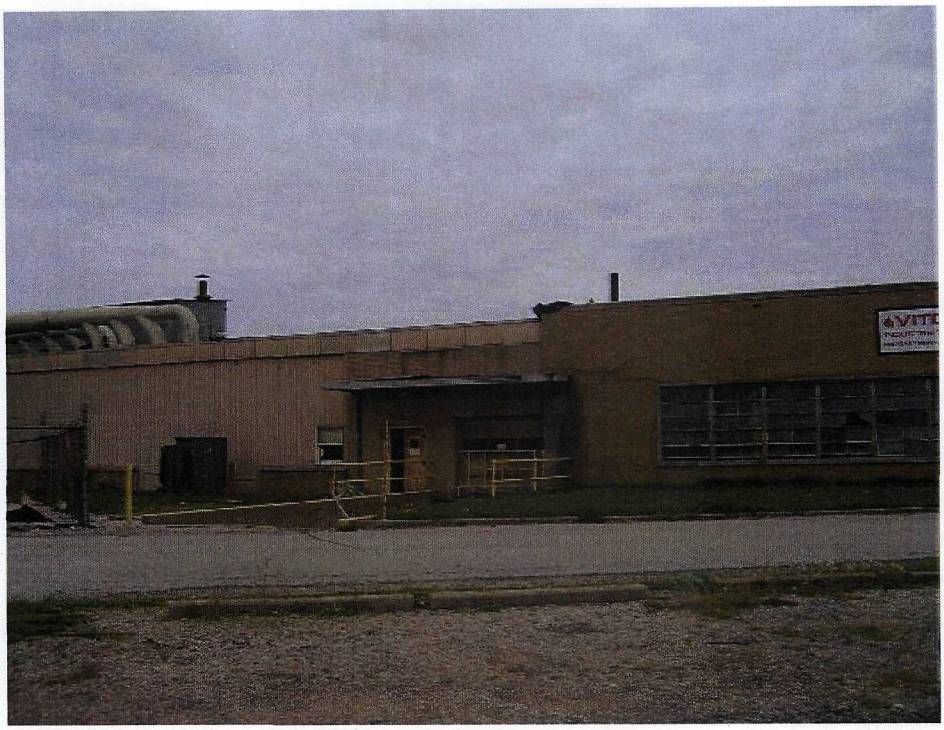
Prepared For:
U.S. EPA REGION V
Contract No.: EP-S5-06-04
TDD: S05-0001-0805-002
DCN: 441-2A-ACHD

Prepared By:
WESTON SOLUTIONS, INC.
750 East Bunker Court
Vernon Hills, Illinois 60061

Figure A-1
Site Location Map
Vitco Inc. Site Assessment
Nappanee, Elkhart County, Indiana

ATTACHMENT B

Photo Log



Site: Vitco Incorporated Site Assessment
Photo Number: 01
Direction: North
Subject: Vitco Incorporated main building, front entrance

Date: May 9, 2008
Photographer: Twunjala Bradley

Site: Vitco Incorporated Site Assessment
Photo Number: 02
Direction: North
Subject: Main building garage bay with trash and debris

Date: May 9, 2008
Photographer: Twunjala Bradley

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Site: Vitco Incorporated Site Assessment
Photo Number: 03
Direction: East
Subject: Debris and broken windows in the main building

Date: May 9, 2008
Photographer: Twunjala Bradley

Site: Vitco Incorporated Site Assessment
Photo Number: 04
Direction: East
Subject: A main building room with 12 vats in fair condition with various liquid contents.

Date: May 9, 2008
Photographer: Twunjala Bradley

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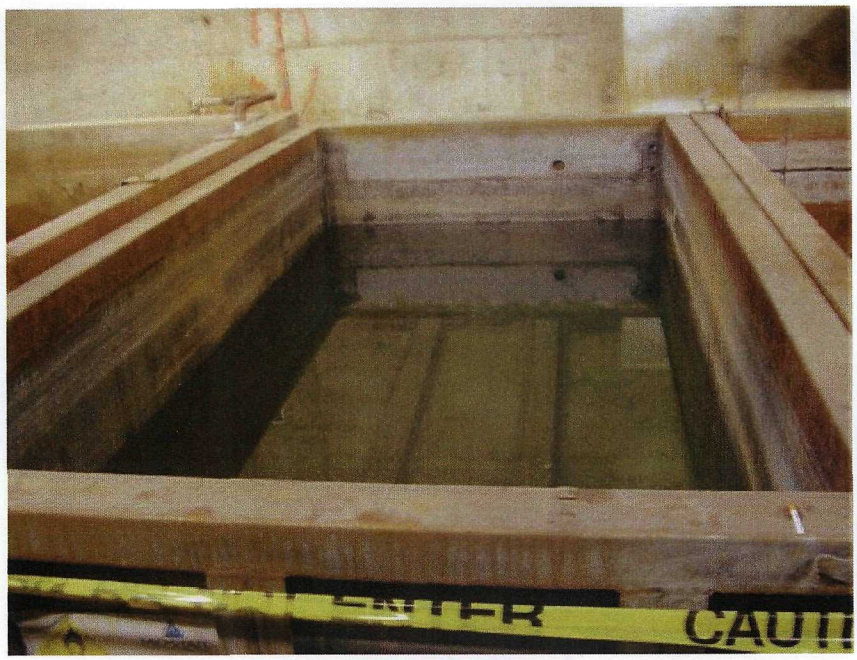

Site: Vitco Incorporated Site Assessment
Photo Number: 05
Direction: East
Subject: Vat with clear liquid; field pH of this vat was 13.5 standard units

Date: May 9, 2008
Photographer: Twunjala Bradley

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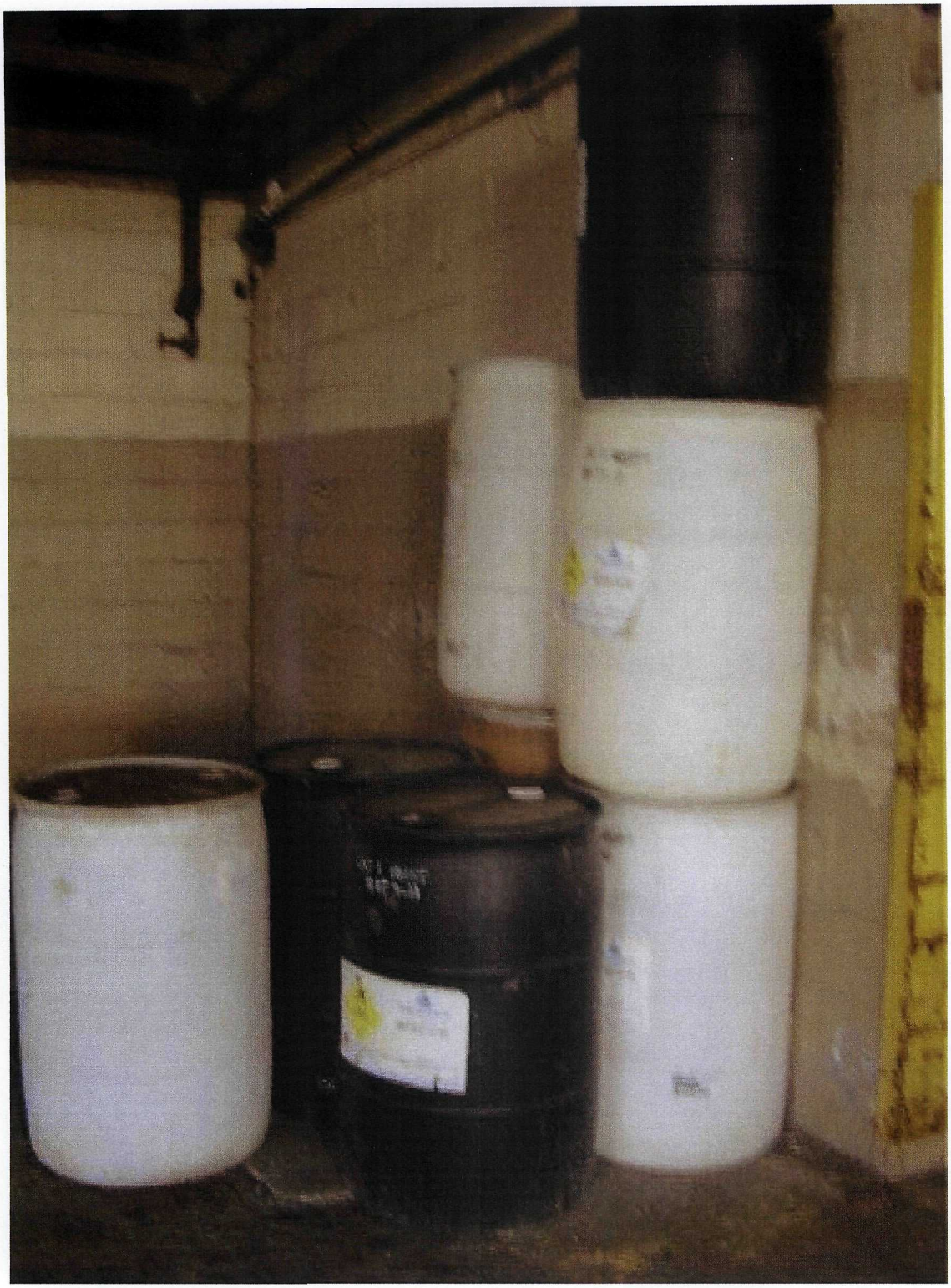

Site: Vitco Incorporated Site Assessment
Photo Number: 06
Direction: North
Subject: Stacked, empty poly drums located in the main building

Date: May 9, 2008
Photographer: Twunjala Bradley

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Site: Vitco Incorporated Site Assessment
Date: May 9, 2008
Photo Number: 07
Photographer: Twunjala Bradley
Direction: North
Subject: Oxidizer label from one of the stacked empty poly drums presented in photo 06

Site: Vitco Incorporated Site Assessment
Date: May 9, 2008
Photo Number: 08
Photographer: Twunjala Bradley
Direction: West
Subject: Empty steel containers stored near the 12 liquid vats in the main building

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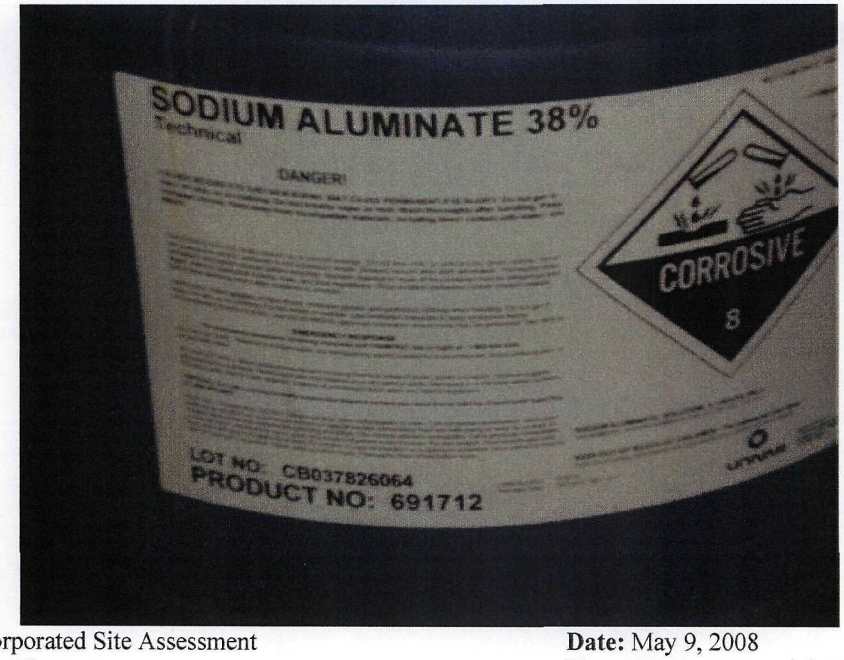
Site: Vitco Incorporated Site Assessment
Photo Number: 09
Direction: West
Subject: 55-gallon poly drums; labeling unreadable or inaccessible

Date: May 9, 2008
Photographer: Twunjala Bradley



Site: Vitco Incorporated Site Assessment
Photo Number: 10
Direction: West
Subject: A 55-gallon poly drum labeled "Sodium Aluminate 38%" and "Corrosive"

Date: May 9, 2008
Photographer: Twunjala Bradley

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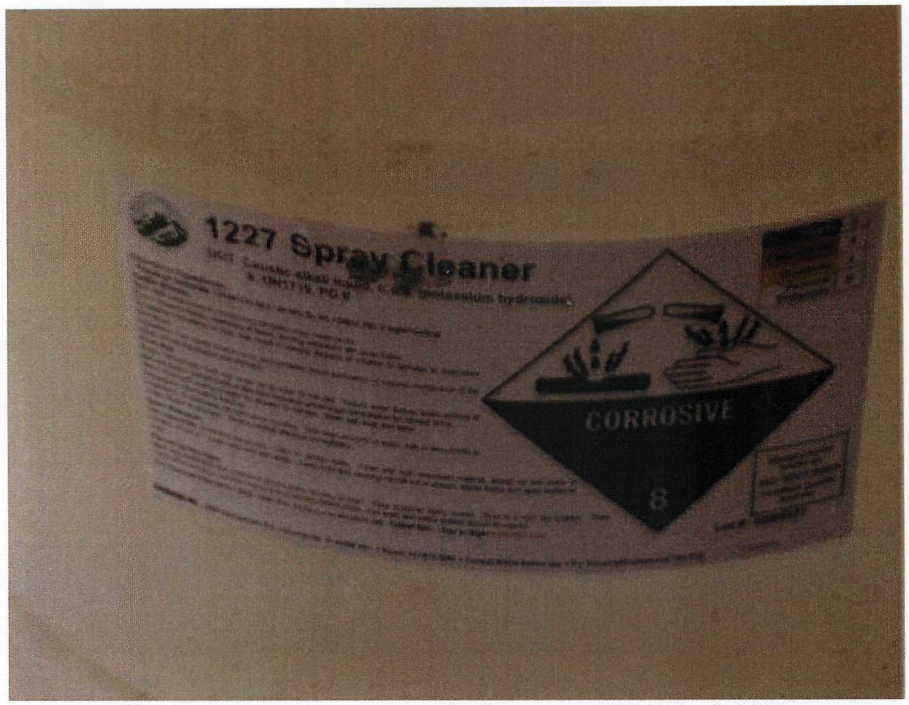

Site: Vitco Incorporated Site Assessment
Date: May 9, 2008
Photo Number: 11
Photographer: Twunjala Bradley
Direction: West
Subject: A 55-gallon poly drum labeled "Spray Cleaner" and "Corrosive".

Site: Vitco Incorporated Site Assessment
Date: May 9, 2008
Photo Number: 12
Photographer: Twunjala Bradley
Direction: South
Subject: Yellow-stained soil inside the main building (sample VS-S02-050908)

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Site: Vitco Incorporated Site Assessment
Date: May 9, 2008
Photo Number: 13
Photographer: Twunjala Bradley
Direction: South
Subject: Gray, spongy material located near the yellow-stained soil presented in photo 12 (sample VS-S01-050908)

Site: Vitco Incorporated Site Assessment
Date: May 9, 2008
Photo Number: 14
Photographer: Twunjala Bradley
Direction:
Subject: Gray, spongy material located near the yellow-stained soil presented in photo 12 (sample aboveVS-S01-050908)

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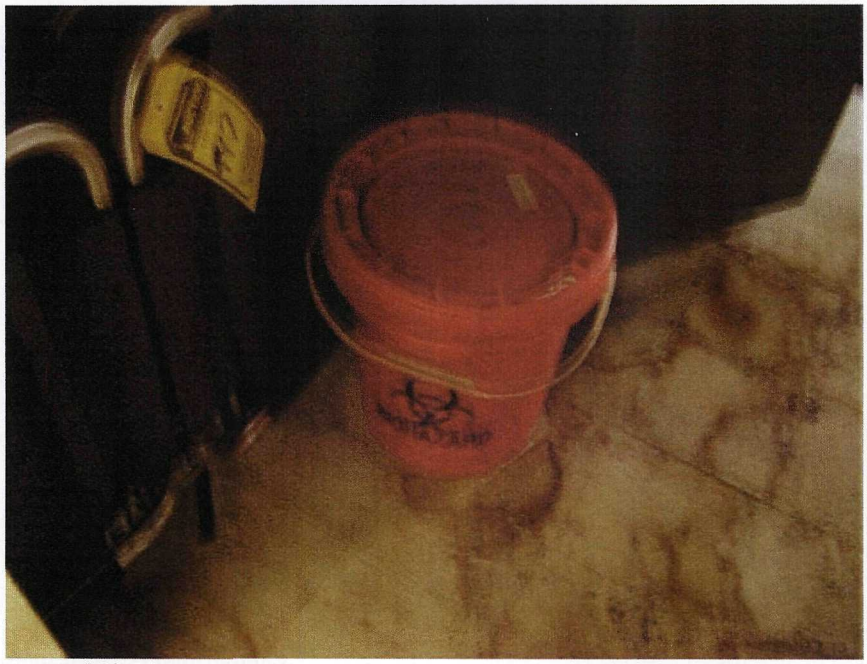
Site: Vitco Incorporated Site Assessment
Photo Number: 15
Direction: South
Subject: Visible floor staining inside the main building near process equipment
Date: May 9, 2008
Photographer: Twunjala Bradley



Site: Vitco Incorporated Site Assessment
Photo Number: 16
Direction: East
Subject: A small biohazard container located within the main building's office
Date: May 9, 2008
Photographer: Twunjala Bradley

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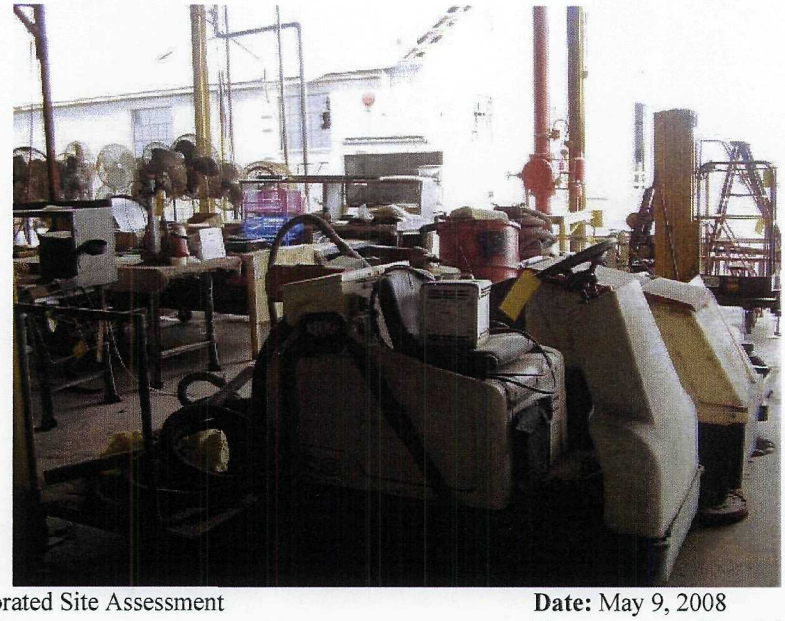
Site: Vitco Incorporated Site Assessment
Photo Number: 17
Direction: North
Date: May 9, 2008
Photographer: Twunjala Bradley
Subject: Process equipment and various tools tagged for auction and stored inside a warehouse area of the main building



Site: Vitco Incorporated Site Assessment
Photo Number: 18
Direction: East
Date: May 9, 2008
Photographer: Twunjala Bradley
Subject: Process equipment and various tools tagged for auction and stored inside a warehouse area of the main building

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Site: Vitco Incorporated Site Assessment
Date: May 9, 2008
Photo Number: 19
Photographer: Twunjala Bradley
Direction: West
Subject: Empty steel bins tagged for auction and stored inside a warehouse area of the main building

Site: Vitco Incorporated Site Assessment
Date: May 9, 2008
Photo Number: 20
Photographer: Twunjala Bradley
Direction: South
Subject: Empty tanks tagged for auction and stored inside a warehouse area of the main building

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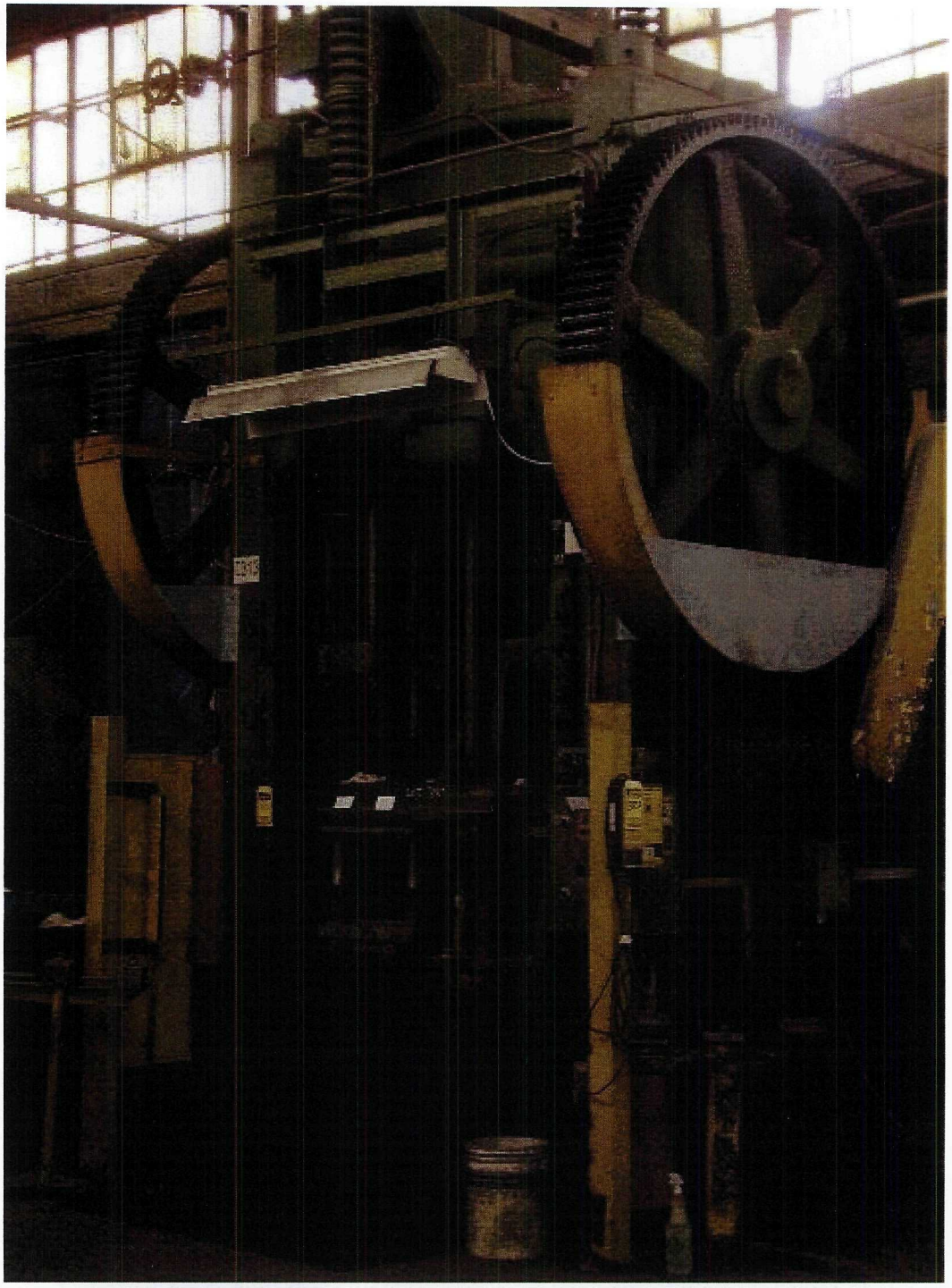

Site: Vitco Incorporated Site Assessment
Date: May 9, 2008
Photo Number: 21
Photographer: Twunjala Bradley
Direction: North
Subject: One of several large press machines located in the main building

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Site: Vitco Incorporated Site Assessment
Photo Number: 22
Direction: North
Subject: Large press machine with visible staining (sample VS-WP01-050908)

Date: May 9, 2008
Photographer: Twunjala Bradley

Site: Vitco Incorporated Site Assessment
Photo Number: 23
Direction: East
Subject: Bin or tray of an oily substance located in the press room (sample VS-WL04-050908)

Date: May 9, 2008
Photographer: Twunjala Bradley

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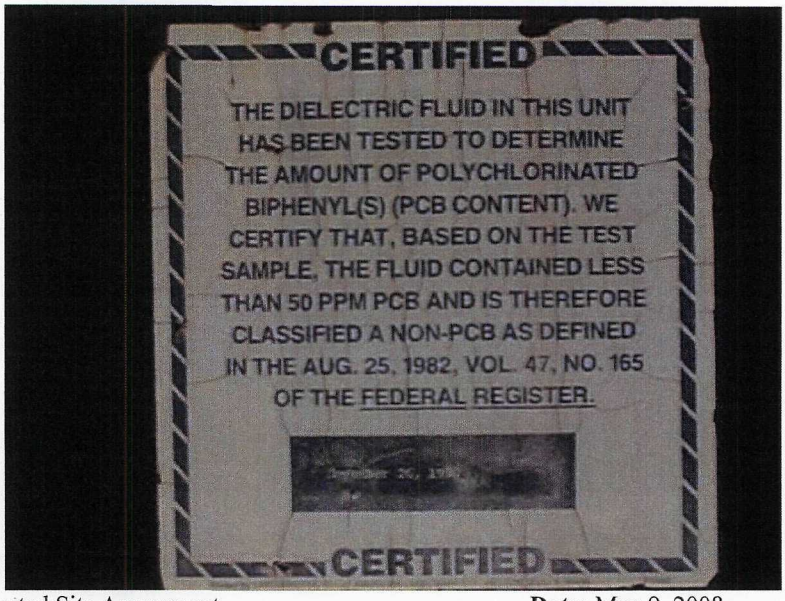
Site: Vitco Incorporated Site Assessment
Photo Number: 24
Direction: East
Subject: Electrical transformers enclosed inside a fenced area near the main building.
Date: May 9, 2008
Photographer: Twunjala Bradley



Site: Vitco Incorporated Site Assessment
Photo Number: 25
Direction: East
Subject: A label posted on the electrical transformers near the main building.
Date: May 9, 2008
Photographer: Twunjala Bradley

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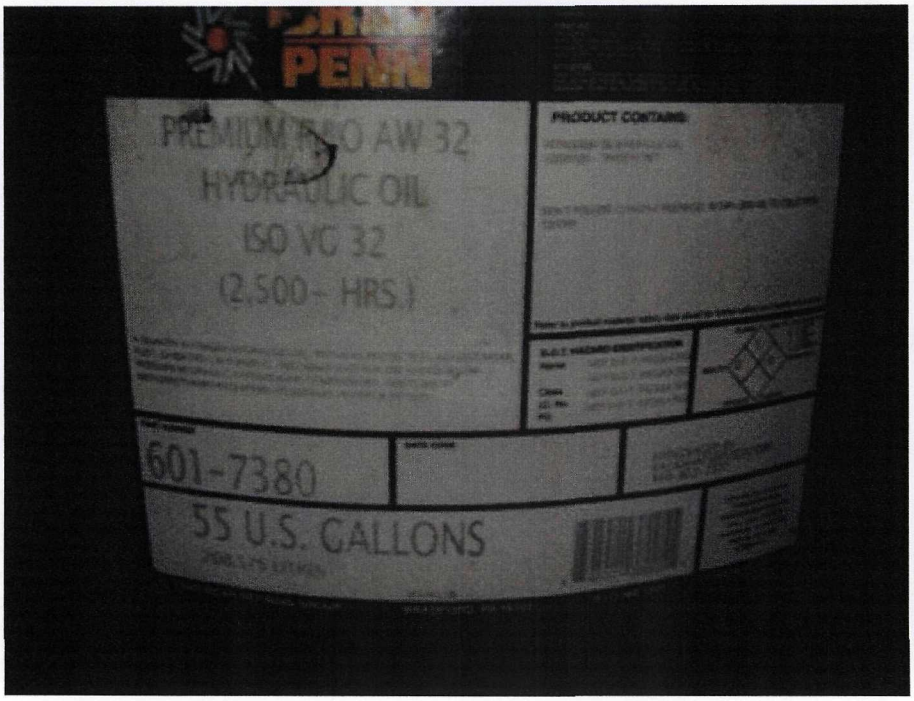
Site: Vitco Incorporated Site Assessment
Photo Number: 26
Direction: East
Subject: Six 55-gallon steel drums stored within the main building

Date: May 9, 2008
Photographer: Twunjala Bradley



Site: Vitco Incorporated Site Assessment
Photo Number: 27
Direction: East
Subject: "Hydraulic Oil" label from one of the six 55-gallon steel drums depicted in photo 26

Date: May 9, 2008
Photographer: Twunjala Bradley

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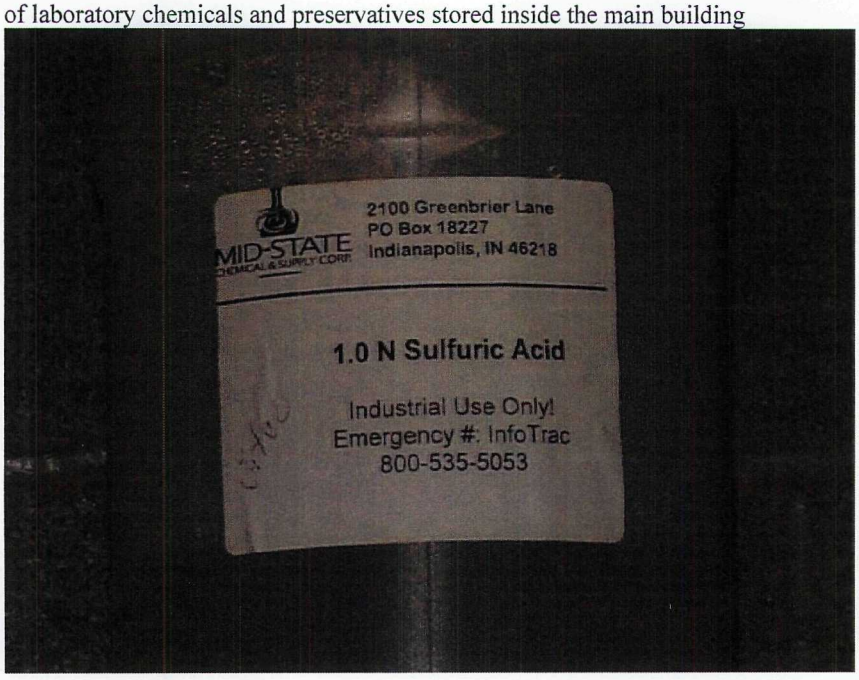
Site: Vitco Incorporated Site Assessment
Photo Number: 28
Direction: South
Subject: Cache of laboratory chemicals and preservatives stored inside the main building

Date: May 9, 2008
Photographer: Twunjala Bradley



Site: Vitco Incorporated Site Assessment
Photo Number: 29
Direction: South
Subject: Bottle labeled "sulfuric acid" stored within the cache of laboratory chemicals and preservatives presented in photo 28

Date: May 9, 2008
Photographer: Twunjala Bradley

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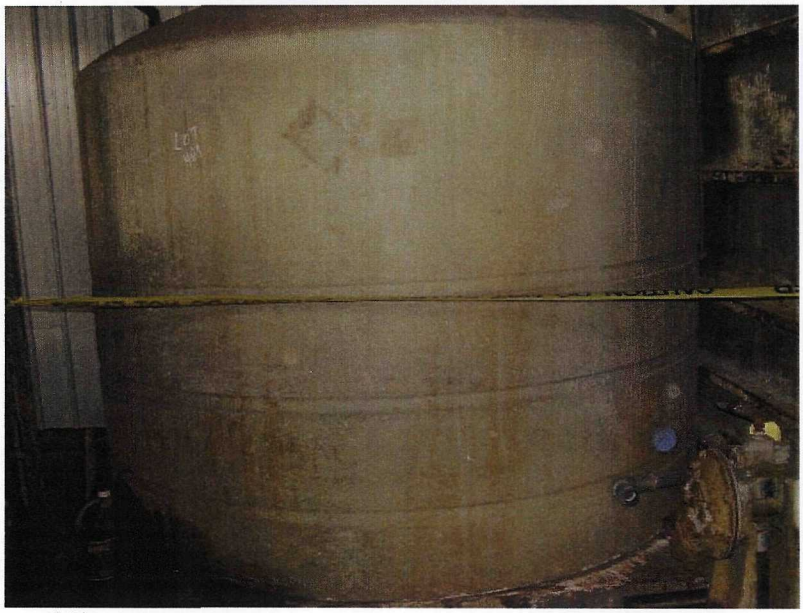
Site: Vitco Incorporated Site Assessment
Photo Number: 30
Direction: East
Subject: Vat containing oily liquid and solid mixture in the main building (sample VS-WL03-050908)

Date: May 9, 2008
Photographer: Twunjala Bradley



Site: Vitco Incorporated Site Assessment
Photo Number: 31
Direction: East
Subject: Large storage tank, nearly empty, located in the main building

Date: May 9, 2008
Photographer: Twunjala Bradley

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Site: Vitco Incorporated Site Assessment
Photo Number: 32
Direction: East
Subject: Partially empty poly tote enclosed in a steel cage labeled "1820 Corrosive"

Date: May 9, 2008
Photographer: Twunjala Bradley

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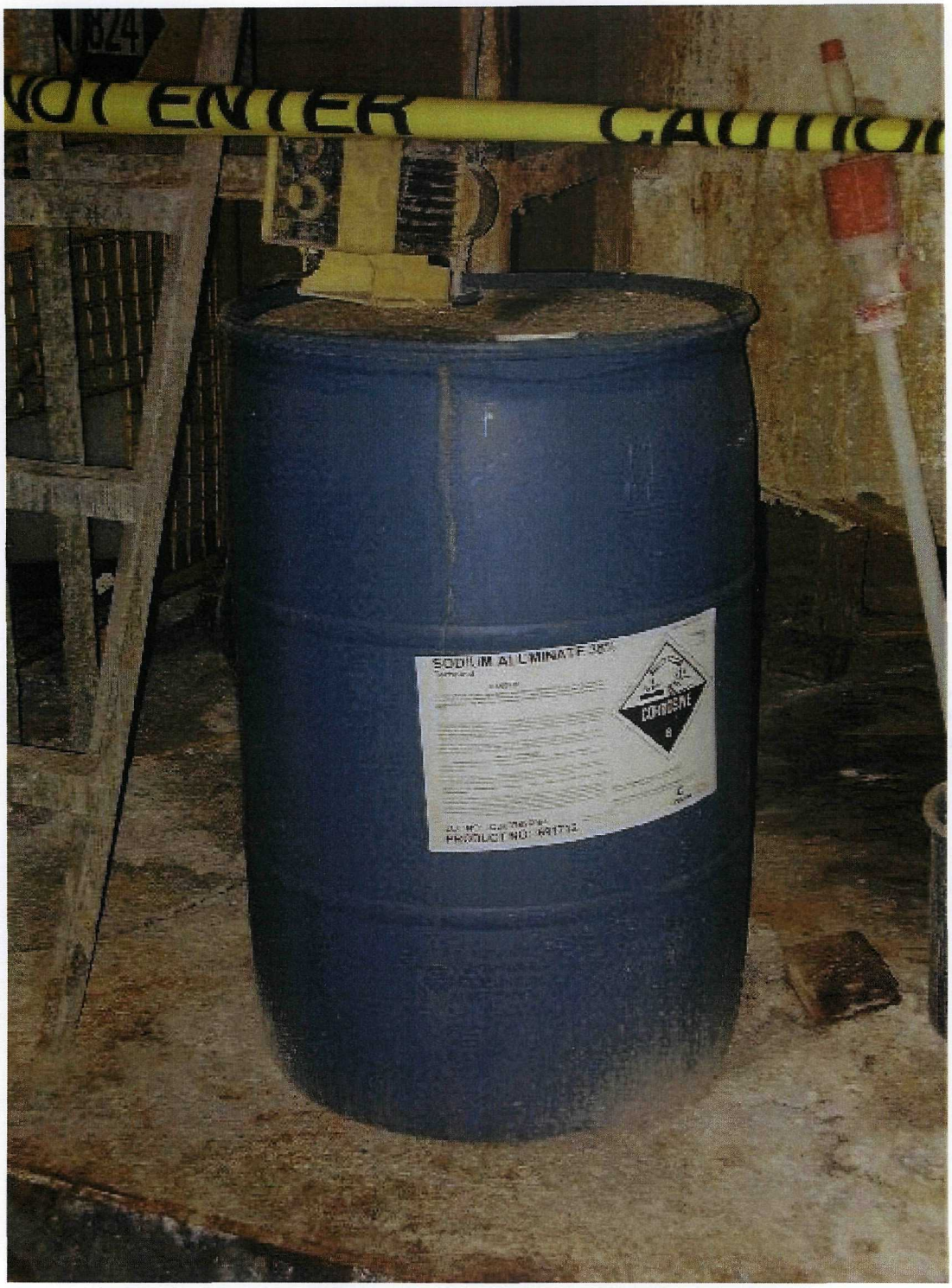

Site: Vitco Incorporated Site Assessment
Photo Number: 33
Direction: East
Subject: Partially empty 55-gallon poly drum labeled "Sodium Aluminate 38%" and "Corrosive"

Date: May 9, 2008
Photographer: Twunjala Bradley

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Site: Vitco Incorporated Site Assessment
Photo Number: 34
Direction: East
Subject: Tubing from the 55-gallon poly drum, in photo 33 to a small, visibly stained container

Date: May 9, 2008
Photographer: Twunjala Bradley

Site: Vitco Incorporated Site Assessment
Photo Number: 35
Direction: East
Subject: Numerous steel containers located in the main building

Date: May 9, 2008
Photographer: Twunjala Bradley

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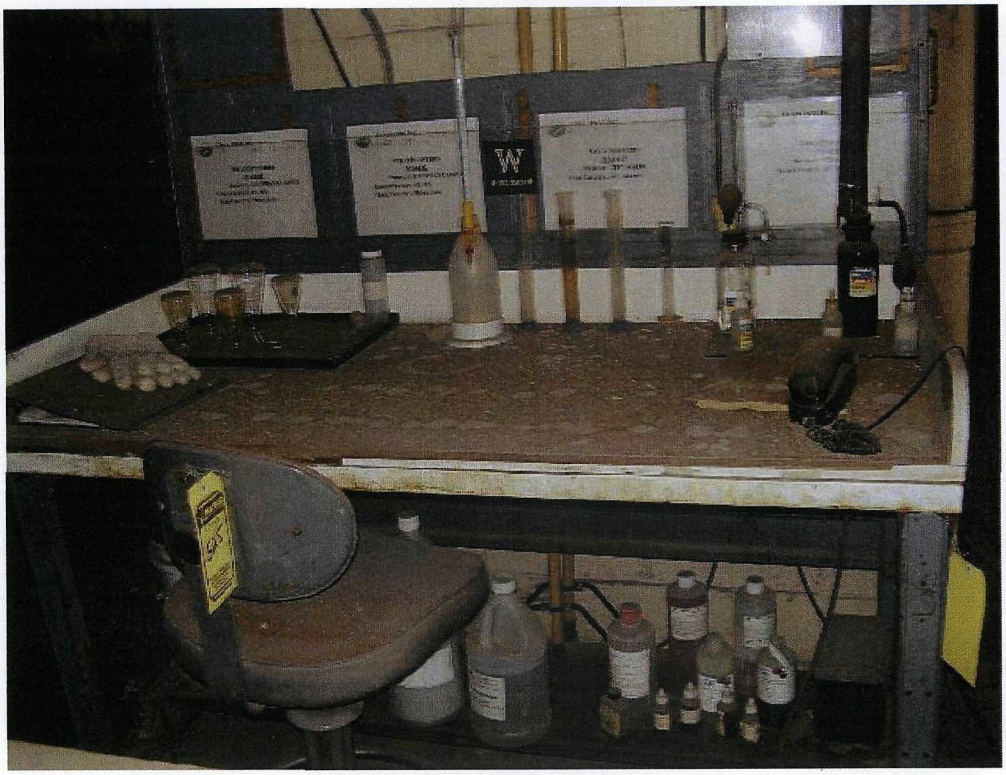
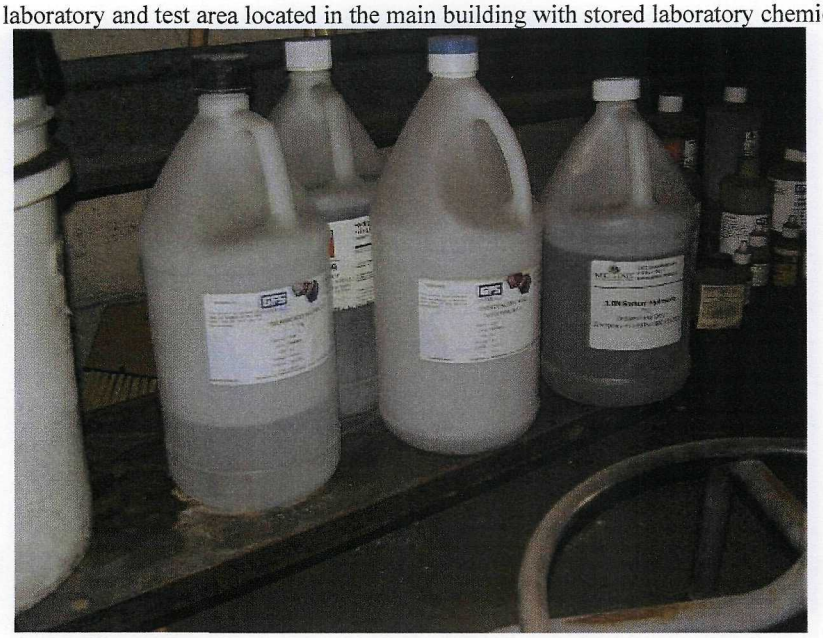


Site: Vitco Incorporated Site Assessment
Photo Number: 36
Direction: East
Subject: A small laboratory and test area located in the main building with stored laboratory chemicals
Date: May 9, 2008
Photographer: Twunjala Bradley



Site: Vitco Incorporated Site Assessment
Photo Number: 37
Direction: East
Subject: Small, poly containers of laboratory chemicals labeled "Sodium Hydroxide" from below the desk in photo 36
Date: May 9, 2008
Photographer: Twunjala Bradley

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Site: Vitco Incorporated Site Assessment
Date: May 9, 2008
Photo Number: 38
Photographer: Twunjala Bradley
Direction: South
Subject: Blue, powdery staining around a small container inside the main building

Site: Vitco Incorporated Site Assessment
Date: May 9, 2008
Photo Number: 39
Photographer: Twunjala Bradley
Direction: West
Subject: Large, empty, steel storage tank inside the main building

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Site: Vitco Incorporated Site Assessment
Date: May 9, 2008
Photo Number: 40
Photographer: Twunjala Bradley
Direction: East
Subject: Stockpile of containers, possibly containing pigments, located on the main building's second level

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Site: Vitco Incorporated Site Assessment
Date: May 9, 2008
Photo Number: 41
Photographer: Twunjala Bradley
Direction: West
Subject: One of many small containers labeled "Pemco International enamels, pigments and

Site: Vitco Incorporated Site Assessment
Date: May 9, 2008
Photo Number: 42
Photographer: Twunjala Bradley
Direction: North
Subject: Cache of small glass jars containing various powders and solids, located on the main building's second level

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Site: Vitco Incorporated Site Assessment
Date: May 9, 2008
Photo Number: 43
Photographer: Twunjala Bradley
Direction: North
Subject: Partially empty bottles of unknown contents located on the main building's second level

Site: Vitco Incorporated Site Assessment
Date: May 9, 2008
Photo Number: 44
Photographer: Twunjala Bradley
Direction: North
Subject: Small jars labeled "Zinc Oxide, 55 Clay, and Boric Acid", respectively, on the main building's second level

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Site: Vitco Incorporated Site Assessment
Date: May 9, 2008
Photo Number: 45
Photographer: Twunjala Bradley
Direction: West
Subject: 55-gallon poly drum labeled "Potassium Nitrite" and "Oxidizer 5.1" stored on the main building's second level

Site: Vitco Incorporated Site Assessment
Date: May 9, 2008
Photo Number: 46
Photographer: Twunjala Bradley
Direction: West
Subject: Stockpile of bags labeled "Clay" stored on the main building's second level

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Site: Vitco Incorporated Site Assessment
Date: May 9, 2008
Photo Number: 47
Photographer: Twunjala Bradley
Direction: West
Subject: Stockpile of containers, possibly containing various pigments, on the main building's second level

Site: Vitco Incorporated Site Assessment
Date: May 9, 2008
Photo Number: 48
Photographer: Twunjala Bradley
Direction: South
Subject: Debris and building damage to the main building's roof (caused by the 2007 tornado); access to the roof was via the second level

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Site: Vitco Incorporated Site Assessment
Photo Number: 49
Direction: East
Date: May 9, 2008
Photographer: Twunjala Bradley
Subject: Debris and structural damage to the main building (caused by the 2007 tornado); roof access via the second level

Site: Vitco Incorporated Site Assessment
Photo Number: 50
Direction: Northwest
Date: May 9, 2008
Photographer: Twunjala Bradley
Subject: Structural damage to the main building caused by the 2007 tornado

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Site: Vitco Incorporated Site Assessment
Photo Number: 51
Direction: South
Subject: Damage to the main building caused by the 2007 tornado

Date: May 9, 2008
Photographer: Twunjala Bradley

Site: Vitco Incorporated Site Assessment
Photo Number: 52
Direction: South
Subject: Damage to the main building caused by the 2007 tornado

Date: May 9, 2008
Photographer: Twunjala Bradley

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Site: Vitco Incorporated Site Assessment
Photo Number: 53
Direction: Southeast
Date: May 9, 2008
Photographer: Twunjala Bradley
Subject: Structural damage to a third site building, including a missing wall and partial roof collapse

Site: Vitco Incorporated Site Assessment
Photo Number: 54
Direction: West
Date: May 9, 2008
Photographer: Twunjala Bradley
Subject: Large press machines stored within the third site building

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Site: Vitco Incorporated Site Assessment
Date: May 9, 2008
Photo Number: 55
Photographer: Twunjala Bradley
Direction: West
Subject: Tools and process equipment tagged for auction and stored within the third site building

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Site: Vitco Incorporated Site Assessment
Photo Number: 56
Direction: East
Subject: Storage of potential paints and solvents inside the second site building

Date: May 9, 2008
Photographer: Twunjala Bradley

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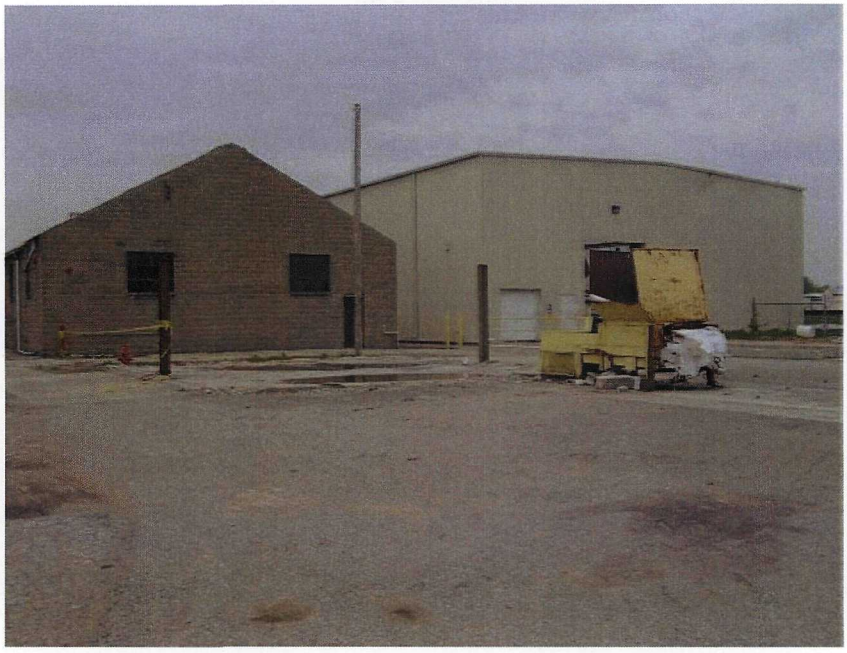
Site: Vitco Incorporated Site Assessment
Photo Number: 57
Direction: East
Date: May 9, 2008
Photographer: Twunjala Bradley
Subject: Pile of potential black soil or fill located along the northeast property line (sample VS-S03-050908)



Site: Vitco Incorporated Site Assessment
Photo Number: 58
Direction: Northeast
Date: May 9, 2008
Photographer: Twunjala Bradley
Subject: The second (left) and third (right) buildings located on the Site, east of the main building

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Site: Vitco Incorporated Site Assessment
Photo Number: 59
Direction: South
Subject: Breech of the site security fence on the north side of the Site

Date: May 9, 2008
Photographer: Twunjala Bradley

Site: Vitco Incorporated Site Assessment
Photo Number: 60
Direction: South
Subject: A fourth site building just south of the main facility, destroyed during the October 2007 tornado

Date: May 9, 2008
Photographer: Twunjala Bradley

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ATTACHMENT C

Data Tables

Attachment C-1
Vitco Industrial Site Assessment
Sample Identification
May 9, 2008

Sample ID	Description	Container Type	Location	Analysis
VS-WL01-050908	Clear liquid with field pH of 13.5	Vat	Main Building	TAL Metals, pH
VS-WL02-050908	Clear liquid with field pH of 1	Vat	Main Building	TAL Metals, pH and total cyanide
VS-WL03-050908	Oily liquid, solid mixture	Vat	Main Building	TAL Metals
VS-WS01-050908	Purple powdery solid	55-gallon Drum	Main Building	TAL Metals, pH
VS-S01-050908	Grey spongy floor solids/soil	Floor solid/soil	Main Building	TAL Metals, pH
VS-S02-050908	Yellow stained floor solids/soil	Floor solid/soil	Main Building	TAL Metals, pH and total cyanide
VS-S03-050908	Black soil/fill	Soil stockpile	Exterior site grounds along north property line (along the fence)	TAL Metals
VS-WL04-050908	Black, oily liquid	Small container	Main Building	TAL Metals, PCB
VS-WP01-050908(2)	Brown oily substance	Sample collected from large presses	Main Building	TAL Metals, PCB

Notes:
PCB - Polychlorinated Biphenyls
TAL - Target Analyte List
VS - Vitco Site
WL – Waste Liquid
WS – Waste Solid
S – Solid or Soil
WP – Wipe Sample

Attachment C-2
Vitco Industrial Site Assessment
Soil/Solid Sampling Results
May 9, 2008

Parameter	Units	Field Sample ID	VS - S01 - 050908		VS - S02 - 050908	
		Sample Date	5/9/2008		5/9/2008	
		Location ID	VS - S01		VS - S02	
		Comparison Criteria				
PCBs [1]						
PCB-1016	ug/kg	---	NA		NA	
PCB-1221	ug/kg	---	NA		NA	
PCB-1232	ug/kg	---	NA		NA	
PCB-1242	ug/kg	---	NA		NA	
PCB-1248	ug/kg	---	NA		NA	
PCB-1254	ug/kg	---	NA		NA	
PCB-1260	ug/kg	---	NA		NA	
TOTAL PCBs	ug/kg	50,000	NA		NA	
Metals [2]						
Aluminum	mg/kg	1,000,000	6600		11000	
Antimony	mg/kg	410	18		39	
Arsenic	mg/kg	1.9	**5.1**		**68**	
Barium	mg/kg	200,000	630		590	
Beryllium	mg/kg	2,000	0.46	U	0.95	
Cadmium	mg/kg	---	9.1	U	10	U
Calcium	mg/kg	---	19000		57000	
Chromium	mg/kg	---	26		58	
Cobalt	mg/kg	---	1500		760	
Copper	mg/kg	41,000	2100		2500	
Iron	mg/kg	720,000	4000		72000	
Lead	mg/kg	---	21		76	
Magnesium	mg/kg	---	1000		3300	
Manganese	mg/kg	20,000	2200		1000	
Nickel	mg/kg	20,000	4100		1900	
Potassium	mg/kg	---	13000		10000	
Selenium	mg/kg	5,100	6.5		51	
Silver	mg/kg	5,100	15		12	
Sodium	mg/kg	---	48000		21000	
Thallium	mg/kg	72	8.2	U	45	U
Vanadium	mg/kg	1,000	16		72	
Zinc	mg/kg	310,000	5200		1300	
Mercury	mg/kg	---	0.019	U	0.39	
Hazardous Waste Criteria [3]						
Cyanide, Total	mg/kg	Detected	NA		**0.27**	
pH	s.u.	≤ 2 or ≥ 12.5	9.29		6.1	

Notes:
Results in shaded boxes exeeded the comparison criteria
(1) - PCB results compared to 40 CFR Part 761.
(2) - Metals results compared to U.S. EPA Region 3 Risk Based Concentrations
(3) - Hazardous waste criteria compared to 40 CFR Part 261
mg/kg - milligram per kilogram
NA - not analyzed
PCB - Polychlorinated biphenyl
s.u. - standard unit
U - Not detected at the method detection limit
ug/kg - microgram per kilogram

Attachment C-2
Vitco Industrial Site Assessment
Soil/Solid Sampling Results
May 9, 2008

Parameter	Units	Field Sample ID	VS - S03 - 050908		VS - WL03 - 050908	
		Sample Date	5/9/2008		5/9/2008	
		Location ID	VS - S03		VS - WL03	
		Comparison Criteria				
PCBs (1)						
PCB-1016	ug/kg	---	NA		NA	
PCB-1221	ug/kg	---	NA		NA	
PCB-1232	ug/kg	---	NA		NA	
PCB-1242	ug/kg	---	NA		NA	
PCB-1248	ug/kg	---	NA		NA	
PCB-1254	ug/kg	---	NA		NA	
PCB-1260	ug/kg	---	NA		NA	
TOTAL PCBs	ug/kg	50,000	NA		NA	
Metals (2)						
Aluminum	mg/kg	1,000,000	39000		24	U
Antimony	mg/kg	410	14	U	14	U
Arsenic	mg/kg	1.9	7.9		2.9	U
Barium	mg/kg	200,000	980		9.7	U
Beryllium	mg/kg	2,000	2.5		0.48	U
Cadmium	mg/kg	---	9.6	U	9.7	U
Calcium	mg/kg	---	39000		150	
Chromium	mg/kg	---	40		0.97	U
Cobalt	mg/kg	---	13		1.9	U
Copper	mg/kg	41,000	34		4.8	U
Iron	mg/kg	720,000	40000		51	
Lead	mg/kg	---	4.8	U	4.8	U
Magnesium	mg/kg	---	4900		48	U
Manganese	mg/kg	20,000	170		4.5	
Nickel	mg/kg	20,000	37		3	
Potassium	mg/kg	---	2800		97	U
Selenium	mg/kg	5,100	1.9	U	1.9	U
Silver	mg/kg	5,100	3.9	U	3.9	U
Sodium	mg/kg	---	2300		13000	
Thallium	mg/kg	72	8.7	U	8.7	U
Vanadium	mg/kg	1,000	69		1.9	U
Zinc	mg/kg	310,000	27		4.8	U
Mercury	mg/kg	---	0.12		0.019	U
Hazardous Waste Criteria (3)						
Cyanide, Total	mg/kg	Detected	NA		NA	
pH	s.u.	≤ 2 or ≥ 12.5	NA		NA	

Notes:
Results in shaded boxes exeeded the comparison criteria
(1) - PCB results compared to 40 CFR Part 761.
(2) - Metals results compared to U.S. EPA Region 3 Risk E
(3) - Hazardous waste criteria compared to 40 CFR Part 2
mg/kg - milligram per kilogram
NA - not analyzed
PCB - Polychlorinated biphenyl
s.u. - standard unit
U - Not detected at the method detection limit
ug/kg - microgram per kilogram

Attachment C-2
Vitco Industrial Site Assessment
Soil/Solid Sampling Results
May 9, 2008

Parameter	Units	Field Sample ID	VS - WL04 - 050908		VS - WS01 - 050908	
		Sample Date	5/9/2008		5/9/2008	
		Location ID	VS - WL04		VS - WS01	
		Comparison Criteria				
PCBs [1]						
PCB-1016	ug/kg	---	2000	U	NA	
PCB-1221	ug/kg	---	2000	U	NA	
PCB-1232	ug/kg	---	2000	U	NA	
PCB-1242	ug/kg	---	2000	U	NA	
PCB-1248	ug/kg	---	2000	U	NA	
PCB-1254	ug/kg	---	2000	U	NA	
PCB-1260	ug/kg	---	2000	U	NA	
TOTAL PCBs	ug/kg	50,000	2000	U	NA	
Metals [2]						
Aluminum	mg/kg	1,000,000	25	U	7700	
Antimony	mg/kg	410	15	U	14	U
Arsenic	mg/kg	1.9	3	U	**2.8**	
Barium	mg/kg	200,000	9.9	U	1500	
Beryllium	mg/kg	2,000	0.5	U	1.4	
Cadmium	mg/kg	---	9.9	U	9.2	U
Calcium	mg/kg	---	99	U	3300	
Chromium	mg/kg	---	0.99	U	86	
Cobalt	mg/kg	---	2	U	2100	
Copper	mg/kg	41,000	5	U	520	
Iron	mg/kg	720,000	28		710	
Lead	mg/kg	---	5	U	4.6	U
Magnesium	mg/kg	---	50	U	520	
Manganese	mg/kg	20,000	3.8		2100	
Nickel	mg/kg	20,000	0.99	U	790	
Potassium	mg/kg	---	99	U	1100	
Selenium	mg/kg	5,100	2	U	1.8	U
Silver	mg/kg	5,100	4	U	200	
Sodium	mg/kg	---	150	U	80000	
Thallium	mg/kg	72	8.9	U	8.2	U
Vanadium	mg/kg	1,000	2	U	30	
Zinc	mg/kg	310,000	5	U	79	
Mercury	mg/kg	---	0.019	U	0.019	U
Hazardous Waste Criteria [3]						
Cyanide, Total	mg/kg	Detected	NA		NA	
pH	s.u.	≤ 2 or ≥ 12.5	NA		10.1	

Notes:
Results in shaded boxes exeeded the comparison criteria
(1) - PCB results compared to 40 CFR Part 761.
(2) - Metals results compared to U.S. EPA Region 3 Risk E
(3) - Hazardous waste criteria compared to 40 CFR Part 2
mg/kg - milligram per kilogram
NA - not analyzed
PCB - Polychlorinated biphenyl
s.u. - standard unit
U - Not detected at the method detection limit
ug/kg - microgram per kilogram

Attachment C-3
Vitco Industrial Site Assessment
Liquid Sampling Results
May 9, 2008

Parameter	Units	Field Sample ID	VS - WL01 - 050908		VS - WL02 - 050908	
		Sample Date	5/9/2008		5/9/2008	
		Location ID	VS - WL01		VS - WL02	
		Comparison Criteria				
Metals [1]						
Aluminum	mg/l	37	0.51		0.5	U
Antimony	mg/l	0.015	0.15	U	0.15	U
Arsenic	mg/l	0.000045	0.03	U	0.03	U
Barium	mg/l	7.3	0.013		0.025	
Beryllium	mg/l	0.073	0.005	U	0.005	U
Cadmium	mg/l	---	0.01	U	0.01	U
Calcium	mg/l	---	2.7		14	
Chromium	mg/l	---	0.01	U	0.034	
Cobalt	mg/l	---	0.02	U	0.024	
Copper	mg/l	1.5	0.12		0.05	U
Iron	mg/l	26	1.7		**34**	
Lead	mg/l	---	0.05	U	0.05	U
Magnesium	mg/l	---	0.5	U	0.54	
Manganese	mg/l	0.73	0.029		0.24	
Nickel	mg/l	0.73	0.033		0.15	
Potassium	mg/l	---	66		1	U
Selenium	mg/l	0.18	0.02	U	0.02	U
Silver	mg/l	0.18	0.04	U	0.04	U
Sodium	mg/l	---	8500		3.3	
Thallium	mg/l	0.0026	0.09	U	0.09	U
Vanadium	mg/l	0.037	0.02	U	0.02	U
Zinc	mg/l	11	0.27		0.24	
Mercury	mg/l	---	0.0002	UJ	0.0002	U
Hazardous Waste Criteria [2]						
pH	s.u.	≤ 2 or ≥ 12.5	**12.7**		**1.72**	
Cyanide, Total	mg/l	If Detected	NA		0.005	U

Notes:
Results in shaded boxes exeeded the comparison criteria
(1) - Metals results compared to U.S. EPA Region 3 Risk Based Concentrations
(2) - Hazardous waste criteria compared to 40 CFR Part 261
mg/l - milligram per liter
NA - not analyzed
s.u. - standard unit
U - Not detected at the method detection limit

Attachment C-4
Vitco Industrial Site Assessment
Wipe Sampling Results
May 9, 2008

Parameter	Field Sample ID	VS - WP01 - 050908	
	Sample Date	5/9/2008	
	Location ID	VS - WP01	
	Units		
PCBs (1)			
PCB-1016	ug/wipe	50	U
PCB-1221	ug/wipe	50	U
PCB-1232	ug/wipe	50	U
PCB-1242	ug/wipe	50	U
PCB-1248	ug/wipe	50	U
PCB-1254	ug/wipe	50	U
PCB-1260	ug/wipe	50	U
TOTAL PCBs	ug/wipe	50	U
Metals (2)			
Aluminum	mg/wipe	0.42	
Antimony	mg/wipe	0.03	U
Arsenic	mg/wipe	0.006	U
Barium	mg/wipe	0.075	
Beryllium	mg/wipe	0.001	U
Cadmium	mg/wipe	0.002	U
Calcium	mg/wipe	1.4	
Chromium	mg/wipe	0.013	
Cobalt	mg/wipe	0.068	
Copper	mg/wipe	0.09	
Iron	mg/wipe	12	
Lead	mg/wipe	0.046	
Magnesium	mg/wipe	0.15	
Manganese	mg/wipe	0.14	
Nickel	mg/wipe	0.15	
Potassium	mg/wipe	1.5	
Selenium	mg/wipe	0.004	U
Silver	mg/wipe	0.008	U
Sodium	mg/wipe	2.3	
Thallium	mg/wipe	0.018	U
Vanadium	mg/wipe	0.004	U
Zinc	mg/wipe	0.13	

Notes:
(1) - PCB results compared to 40 CFR Part 761.
(2) - Metals results compared to U.S. EPA Region 3 Risk Based Concentrations
mg/wipe - milligram per wipe
PCB - Polychlorinated biphenyl
U - Not detected at the method detection limit
ug/wipe - microgram per wipe

ATTACHMENT D

Laboratory Analytical Reports

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 510-26790-1

SDG Number: 20405.016.001.0442.00

Job Description: Vitco, Inc. - Nappannee, IN

For:
Dynamac
20 North Wacker Dr
Chicago, IL 60606-2901

Attention: Ms. Lisa Graczyk

Adrienne Byrnes

Adrienne R Byrnes
Project Manager I
adrienne.byrnes@testamericainc.com
05/16/2008

The test results in this report meet all NELAC requirements for parameters which accreditation is required or available. Any exceptions to NELAC requirements are noted in this report. Pursuant to NELAC, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the Project Manager who signed this test report. Valparaiso IL EPA Accreditation #100432.

TestAmerica Laboratories, Inc.
TestAmerica Valparaiso 2400 Cumberland Drive, Valparaiso, IN 46383
Tel (219) 464-2389 Fax (219) 462-2953 www.testamericainc.com

ACCREDITED IN ACCORDANCE WITH nelac

Comments
No additional comments.

Receipt
The following sample(s) was received at the laboratory outside the required temperature criteria: Samples were not iced enough

GC Semi VOA
Method(s) 8082: The following sample(s) required a Florisil clean-up to reduce matrix interferences: VS - WP01 - 050908 (510-26790-10).

Method(s) 8082: The following sample(s) was diluted due to the abundance of non-target analytes: VS - WP01 - 050908 (510-26790-10). Elevated reporting limits (RLs) are provided. The surrogates were diluted out.

Method(s) 8082: The following sample(s) required a Florisil clean-up to reduce matrix interferences: VS - WL04 - 050908 (510-26790-9). This also removed the surrogates.

No other analytical or quality issues were noted.

Metals
Method(s) 6010B: The method spike failed control limits for thallium; however, the method spike duplicate and %RPD were within control limits. Data is acceptable.
batch 33276 - VS - SO2 - 050908 (510-26790-7)

Method(s) 7470A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 33355 mercury were outside control limits. The associated laboratory control standard (LCS) met acceptance criteria. The post digestion spike recovery was within control limits.
VS - WLO1 - 050908 DP (510-26790-2)

No other analytical or quality issues were noted.

General Chemistry
Method(s) 9012A: The matrix spike (MS) recoveries for VS - SO2 - 050908 (510-26790-7) (Batch 33229) was below control limits. The associated laboratory control standard (LCS) and the relative percent difference (RPD) for an unspiked duplicate sample met acceptance criteria.

No other analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

METHOD SUMMARY

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Description	Lab Location	Method	Preparation Method
Matrix: Waste			
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL VAL	SW846 8082	
Waste Dilution	TAL VAL		SW846 3580A
Inductively Coupled Plasma - Atomic Emission Spectrometry	TAL VAL	SW846 6010B	
Acid Digestion of Sediments, Sludges, and Soils	TAL VAL		SW846 3050B
Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	TAL VAL	SW846 7471A	
Mercury in Solid or Semi-Solid Waste (Manual Cold	TAL VAL		SW846 7471A
Total and Amenable Cyanide (Automated Colorimetric, with Off-Line Distillation)	TAL VAL	SW846 9012A	
Total and Amenable Cyanide (Auto. Colorimetric	TAL VAL		SW846 9012A
Soil and Waste pH	TAL VAL	SW846 9045C	
Matrix: Water			
Inductively Coupled Plasma - Atomic Emission Spectrometry	TAL VAL	SW846 6010B	
Acid Digestion of Aqueous Samples and Extracts for	TAL VAL		SW846 3010A
Mercury in Liquid Waste (Manual Cold Vapor Technique)	TAL VAL	SW846 7470A	
Mercury in Liquid Waste (Manual Cold Vapor	TAL VAL		SW846 7470A
pH Electrometric Measurement	TAL VAL	SW846 9040B	
Cyanide, Total: Colorimetric Method	TAL VAL	SM18 SM 4500 CN E	
Cyanide: Distillation	TAL VAL		SM18 SM 4500 CN C
Matrix: Wipe			
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL VAL	SW846 8082	
Waste Dilution	TAL VAL		SW846 3580A
Inductively Coupled Plasma - Atomic Emission Spectrometry	TAL VAL	SW846 6010B	
Acid Digestion of Sediments, Sludges, and Soils	TAL VAL		SW846 3050B

Lab References:

TAL VAL = TestAmerica Valparaiso

Method References:

SM18 = "Standard Methods For The Examination Of Water And Wastewater", 18th Edition, 1992.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Method	Analyst	Analyst ID
SW846 8082	Seifert, Brandon R	BRS
SW846 6010B	Hamner, Barb J	BJH
SW846 6010B	Hoham, Chris H	CHH
SW846 7470A	Hoham, Chris H	CHH
SW846 7471A	Hoham, Chris H	CHH
SW846 9012A	Rainwater, Nicole L	NLR
SW846 9040B	Boyd, Daniel W	DWB
SW846 9045C	Boyd, Daniel W	DWB
SM18 SM 4500 CN E	Rainwater, Nicole L	NLR

SAMPLE SUMMARY

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
510-26790-1	VS - WLO1 - 050908	Water	05/09/2008 1543	05/09/2008 1811
510-26790-2	VS - WLO1 - 050908 DP	Water	05/09/2008 1543	05/09/2008 1811
510-26790-3	VS - WLO2 - 050908	Water	05/09/2008 1550	05/09/2008 1811
510-26790-4	VS - WLO3 - 050908	Waste	05/09/2008 1555	05/09/2008 1811
510-26790-5	VS - WSO1 - 050908	Waste	05/09/2008 1602	05/09/2008 1811
510-26790-6	VS - SO1 - 050908	Waste	05/09/2008 1617	05/09/2008 1811
510-26790-7	VS - SO2 - 050908	Waste	05/09/2008 1620	05/09/2008 1811
510-26790-8	VS - SO3 - 050908	Waste	05/09/2008 1630	05/09/2008 1811
510-26790-9	VS - WL04 - 050908	Waste	05/09/2008 1607	05/09/2008 1811
510-26790-10	VS - WP01 - 050908	Wipe	05/09/2008 1610	05/09/2008 1811

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Client Sample ID: **VS - WL04 - 050908**

Lab Sample ID: 510-26790-9
Client Matrix: Waste

Date Sampled: 05/09/2008 1607
Date Received: 05/09/2008 1811

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3580A
Dilution: 1.0
Date Analyzed: 05/13/2008 1042
Date Prepared: 05/12/2008 1630

Analysis Batch: 510-33217
Prep Batch: 510-33157

Instrument ID: SVOA GC - ECD
Lab File ID: B3972.D
Initial Weight/Volume: 0.50 g
Final Weight/Volume: 5 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
PCB-1016		<2000		2000
PCB-1221		<2000		2000
PCB-1232		<2000		2000
PCB-1242		<2000		2000
PCB-1248		<2000		2000
PCB-1254		<2000		2000
PCB-1260		<2000		2000

Surrogate	%Rec		Acceptance Limits
DCB Decachlorobiphenyl	23	X	36 - 158
Dibutylchlorendate	0	X	31 - 154

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Client Sample ID: **VS - WP01 - 050908**

Lab Sample ID: 510-26790-10
Client Matrix: Wipe

Date Sampled: 05/09/2008 1610
Date Received: 05/09/2008 1811

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3580A
Dilution: 10
Date Analyzed: 05/13/2008 0919
Date Prepared: 05/12/2008 1536

Analysis Batch: 510-33206
Prep Batch: 510-33149
Run Type: DL

Instrument ID: SVOA GC - ECD
Lab File ID: B3967.D
Initial Weight/Volume: 1 Wipe
Final Weight/Volume: 50 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	Result (ug/Wipe)	Qualifier	RL
PCB-1016	<50		50
PCB-1221	<50		50
PCB-1232	<50		50
PCB-1242	<50		50
PCB-1248	<50		50
PCB-1254	<50		50
PCB-1260	<50		50

Surrogate	%Rec		Acceptance Limits
DCB Decachlorobiphenyl	0	D	31 - 154
Dibutylchlorendate	0	D	36 - 158

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Client Sample ID: **VS - WLO1 - 050908**

Lab Sample ID: 510-26790-1
Client Matrix: Water

Date Sampled: 05/09/2008 1543
Date Received: 05/09/2008 1811

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 510-33176		Instrument ID:	TJETraceB
Preparation:	3010A	Prep Batch: 510-33100		Lab File ID:	1150861
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	05/12/2008 2336			Final Weight/Volume:	50 mL
Date Prepared:	05/10/2008 2128				

Analyte	Result (mg/L)	Qualifier	RL
Aluminum	0.51		0.50
Antimony	<0.15		0.15
Arsenic	<0.030		0.030
Barium	0.013		0.010
Cadmium	<0.010		0.010
Manganese	0.029		0.020
Calcium	2.7		1.0
Chromium	<0.010		0.010
Cobalt	<0.020		0.020
Copper	0.12		0.050
Iron	1.7		0.50
Lead	<0.050		0.050
Nickel	0.033		0.010
Selenium	<0.020		0.020
Silver	<0.040		0.040
Thallium	<0.090		0.090
Vanadium	<0.020		0.020

Method:	6010B	Analysis Batch: 510-33252		Instrument ID:	TJETraceC
Preparation:	3010A	Prep Batch: 510-33100		Lab File ID:	41261C
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	05/13/2008 1742			Final Weight/Volume:	50 mL
Date Prepared:	05/10/2008 2128				

Analyte	Result (mg/L)	Qualifier	RL
Beryllium	<0.0050		0.0050
Magnesium	<0.50		0.50
Potassium	66		1.0
Zinc	0.27		0.050

Method:	6010B	Analysis Batch: 510-33330		Instrument ID:	TJETraceC
Preparation:	3010A	Prep Batch: 510-33100		Lab File ID:	41261C
Dilution:	100			Initial Weight/Volume:	50 mL
Date Analyzed:	05/14/2008 1840			Final Weight/Volume:	50 mL
Date Prepared:	05/10/2008 2128				

Analyte	Result (mg/L)	Qualifier	RL
Sodium	8500		150

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Client Sample ID: **VS - WLO1 - 050908**

Lab Sample ID: 510-26790-1
Client Matrix: Water

Date Sampled: 05/09/2008 1543
Date Received: 05/09/2008 1811

7470A Mercury in Liquid Waste (Manual Cold Vapor Technique)

Method:	7470A	Analysis Batch: 510-33355		Instrument ID:	Leeman Hydra AA
Preparation:	7470A	Prep Batch: 510-33336		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	05/15/2008 1306			Final Weight/Volume:	50 mL
Date Prepared:	05/15/2008 0940				

Analyte	Result (mg/L)	Qualifier	RL
Mercury	<0.00020		0.00020

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Client Sample ID: **VS - WLO1 - 050908 DP**

Lab Sample ID: 510-26790-2
Client Matrix: Water

Date Sampled: 05/09/2008 1543
Date Received: 05/09/2008 1811

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 510-33176	Instrument ID: TJETraceB
Preparation:	3010A	Prep Batch: 510-33100	Lab File ID: 1150861
Dilution:	1.0		*Initial Weight/Volume:* 50 mL
Date Analyzed:	05/12/2008 2341		Final Weight/Volume: 50 mL
Date Prepared:	05/10/2008 2128		

Analyte	Result (mg/L)	Qualifier	RL
Aluminum	0.50		0.50
Antimony	<0.15		0.15
Arsenic	<0.030		0.030
Barium	<0.010		0.010
Cadmium	<0.010		0.010
Manganese	0.022		0.020
Calcium	2.3		1.0
Chromium	<0.010		0.010
Cobalt	<0.020		0.020
Copper	0.11		0.050
Iron	1.5		0.50
Lead	<0.050		0.050
Nickel	0.026		0.010
Selenium	<0.020		0.020
Silver	<0.040		0.040
Thallium	<0.090		0.090
Vanadium	<0.020		0.020

Method:	6010B	Analysis Batch: 510-33252	Instrument ID: TJETraceC
Preparation:	3010A	Prep Batch: 510-33100	Lab File ID: 41261C
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	05/13/2008 1748		Final Weight/Volume: 50 mL
Date Prepared:	05/10/2008 2128		

Analyte	Result (mg/L)	Qualifier	RL
Beryllium	<0.0050		0.0050
Magnesium	<0.50		0.50
Potassium	60		1.0
Zinc	0.25		0.050

Method:	6010B	Analysis Batch: 510-33330	Instrument ID: TJETraceC
Preparation:	3010A	Prep Batch: 510-33100	Lab File ID: 41261C
Dilution:	100		Initial Weight/Volume: 50 mL
Date Analyzed:	05/14/2008 1845		Final Weight/Volume: 50 mL
Date Prepared:	05/10/2008 2128		

Analyte	Result (mg/L)	Qualifier	RL
Sodium	14000		150

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Client Sample ID: **VS - WLO1 - 050908 DP**

Lab Sample ID: 510-26790-2
Client Matrix: Water

Date Sampled: 05/09/2008 1543
Date Received: 05/09/2008 1811

7470A Mercury in Liquid Waste (Manual Cold Vapor Technique)

Method:	7470A	Analysis Batch: 510-33355		Instrument ID:	Leeman Hydra AA
Preparation:	7470A	Prep Batch: 510-33336		Lab File ID:	N/A
Dilution:	2.0			Initial Weight/Volume:	50 mL
Date Analyzed:	05/15/2008 1517			Final Weight/Volume:	50 mL
Date Prepared:	05/15/2008 0940				

Analyte	Result (mg/L)	Qualifier	RL
Mercury	<0.00040		0.00040

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Client Sample ID: **VS - WLO2 - 050908**

Lab Sample ID: 510-26790-3
Client Matrix: Water

Date Sampled: 05/09/2008 1550
Date Received: 05/09/2008 1811

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 510-33176	Instrument ID: TJETraceB
Preparation:	3010A	Prep Batch: 510-33100	Lab File ID: 1150861
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	05/12/2008 2346		Final Weight/Volume: 50 mL
Date Prepared:	05/10/2008 2128		

Analyte	Result (mg/L)	Qualifier	RL
Aluminum	<0.50		0.50
Antimony	<0.15		0.15
Arsenic	<0.030		0.030
Barium	0.025		0.010
Cadmium	<0.010		0.010
Manganese	0.24		0.020
Calcium	14		1.0
Chromium	0.034		0.010
Cobalt	0.024		0.020
Copper	<0.050		0.050
Iron	34		0.50
Lead	<0.050		0.050
Nickel	0.15		0.010
Selenium	<0.020		0.020
Silver	<0.040		0.040
Thallium	<0.090		0.090
Vanadium	<0.020		0.020

Method:	6010B	Analysis Batch: 510-33252	Instrument ID: TJETraceC
Preparation:	3010A	Prep Batch: 510-33100	Lab File ID: 41261C
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	05/13/2008 1754		Final Weight/Volume: 50 mL
Date Prepared:	05/10/2008 2128		

Analyte	Result (mg/L)	Qualifier	RL
Beryllium	<0.0050		0.0050
Magnesium	0.54		0.50
Potassium	<1.0		1.0
Sodium	3.3		1.5
Zinc	0.24		0.050

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Client Sample ID: **VS - WLO2 - 050908**

Lab Sample ID: 510-26790-3
Client Matrix: Water

Date Sampled: 05/09/2008 1550
Date Received: 05/09/2008 1811

7470A Mercury in Liquid Waste (Manual Cold Vapor Technique)

Method:	7470A	Analysis Batch: 510-33355		Instrument ID:	Leeman Hydra AA
Preparation:	7470A	Prep Batch: 510-33336		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	05/15/2008 1316			Final Weight/Volume:	50 mL
Date Prepared:	05/15/2008 0940				

Analyte	Result (mg/L)	Qualifier	RL
Mercury	<0.00020		0.00020

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Client Sample ID: **VS - WLO3 - 050908**

Lab Sample ID: 510-26790-4
Client Matrix: Waste

Date Sampled: 05/09/2008 1555
Date Received: 05/09/2008 1811

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 510-33293	Instrument ID: TJETraceB
Preparation:	3050B	Prep Batch: 510-33102	Lab File ID: 1150861
Dilution:	1.0		Initial Weight/Volume: 1.0352 g
Date Analyzed:	05/14/2008 1534		Final Weight/Volume: 50 mL
Date Prepared:	05/10/2008 2137		

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Aluminum		<24		24

Method:	6010B	Analysis Batch: 510-33234	Instrument ID: TJETraceB
Preparation:	3050B	Prep Batch: 510-33102	Lab File ID: 1150861
Dilution:	2.0		Initial Weight/Volume: 1.0352 g
Date Analyzed:	05/13/2008 1556		Final Weight/Volume: 50 mL
Date Prepared:	05/10/2008 2137		

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Antimony		<14		14
Arsenic		<2.9		2.9
Barium		<9.7		9.7
Beryllium		<0.48		0.48
Cadmium		<9.7		9.7
Chromium		<0.97		0.97
Cobalt		<1.9		1.9
Copper		<4.8		4.8
Lead		<4.8		4.8
Magnesium		<48		48
Manganese		4.5		1.9
Nickel		3.0		0.97
Selenium		<1.9		1.9
Silver		<3.9		3.9
Thallium		<8.7		8.7
Vanadium		<1.9		1.9
Zinc		<4.8		4.8

Method:	6010B	Analysis Batch: 510-33252	Instrument ID: TJETraceC
Preparation:	3050B	Prep Batch: 510-33102	Lab File ID: 41261C
Dilution:	2.0		Initial Weight/Volume: 1.0352 g
Date Analyzed:	05/13/2008 1618		Final Weight/Volume: 50 mL
Date Prepared:	05/10/2008 2137		

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Calcium		150		97
Iron		51		4.8
Potassium		<97		97
Sodium		13000		140

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Client Sample ID: **VS - WLO3 - 050908**

Lab Sample ID: 510-26790-4
Client Matrix: Waste

Date Sampled: 05/09/2008 1555
Date Received: 05/09/2008 1811

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471A	Analysis Batch: 510-33202		Instrument ID:	Leeman Hydra AA
Preparation:	7471A	Prep Batch: 510-33091		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.5189 g
Date Analyzed:	05/10/2008 2026			Final Weight/Volume:	50 mL
Date Prepared:	05/10/2008 1544				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Mercury		<0.019		0.019

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Client Sample ID: **VS - WSO1 - 050908**

Lab Sample ID: 510-26790-5
Client Matrix: Waste

Date Sampled: 05/09/2008 1602
Date Received: 05/09/2008 1811

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 510-33234		Instrument ID:	TJETraceB
Preparation:	3050B	Prep Batch: 510-33102		Lab File ID:	1150861
Dilution:	2.0			Initial Weight/Volume:	1.0913 g
Date Analyzed:	05/13/2008 1601			Final Weight/Volume:	50 mL
Date Prepared:	05/10/2008 2137				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Antimony		<14		14
Arsenic		2.8		2.7
Beryllium		1.4		0.46
Cadmium		<9.2		9.2
Chromium		86		0.92
Cobalt		2100		1.8
Copper		520		4.6
Lead		<4.6		4.6
Magnesium		520		46
Nickel		790		0.92
Selenium		<1.8		1.8
Silver		200		3.7
Thallium		<8.2		8.2
Vanadium		30		1.8
Zinc		79		4.6

Method:	6010B	Analysis Batch: 510-33252		Instrument ID:	TJETraceC
Preparation:	3050B	Prep Batch: 510-33102		Lab File ID:	41261C
Dilution:	2.0			Initial Weight/Volume:	1.0913 g
Date Analyzed:	05/13/2008 1624			Final Weight/Volume:	50 mL
Date Prepared:	05/10/2008 2137				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Barium		1500		9.2
Calcium		3300		92
Iron		710		4.6
Manganese		2100		1.8
Potassium		1100		92

Method:	6010B	Analysis Batch: 510-33293		Instrument ID:	TJETraceB
Preparation:	3050B	Prep Batch: 510-33102		Lab File ID:	1150861
Dilution:	20			Initial Weight/Volume:	1.0913 g
Date Analyzed:	05/14/2008 1538			Final Weight/Volume:	50 mL
Date Prepared:	05/10/2008 2137				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Aluminum		7700		460

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Client Sample ID: **VS - WSO1 - 050908**

Lab Sample ID: 510-26790-5
Client Matrix: Waste

Date Sampled: 05/09/2008 1602
Date Received: 05/09/2008 1811

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3050B
Dilution: 20
Date Analyzed: 05/14/2008 2010
Date Prepared: 05/10/2008 2137

Analysis Batch: 510-33330
Prep Batch: 510-33102

Instrument ID: TJETraceC
Lab File ID: 41261C
Initial Weight/Volume: 1.0913 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Sodium		80000		1400

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 05/10/2008 2028
Date Prepared: 05/10/2008 1544

Analysis Batch: 510-33202
Prep Batch: 510-33091

Instrument ID: Leeman Hydra AA
Lab File ID: N/A
Initial Weight/Volume: 0.5320 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Mercury		<0.019		0.019

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Client Sample ID: **VS - SO1 - 050908**

Lab Sample ID: 510-26790-6
Client Matrix: Waste

Date Sampled: 05/09/2008 1617
Date Received: 05/09/2008 1811

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 510-33234		Instrument ID:	TJETraceB
Preparation:	3050B	Prep Batch: 510-33102		Lab File ID:	1150861
Dilution:	2.0			Initial Weight/Volume:	1.0968 g
Date Analyzed:	05/13/2008 1606			Final Weight/Volume:	50 mL
Date Prepared:	05/10/2008 2137				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Antimony		18		14
Arsenic		5.1		2.7
Barium		630		9.1
Beryllium		<0.46		0.46
Cadmium		<9.1		9.1
Chromium		26		0.91
Cobalt		1500		1.8
Copper		2100		4.6
Lead		21		4.6
Magnesium		1000		46
Selenium		6.5		1.8
Silver		15		3.6
Thallium		<8.2		8.2
Vanadium		16		1.8

Method:	6010B	Analysis Batch: 510-33252		Instrument ID:	TJETraceC
Preparation:	3050B	Prep Batch: 510-33102		Lab File ID:	41261C
Dilution:	2.0			Initial Weight/Volume:	1.0968 g
Date Analyzed:	05/13/2008 1629			Final Weight/Volume:	50 mL
Date Prepared:	05/10/2008 2137				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Calcium		19000		91
Iron		4000		4.6
Manganese		2200		1.8
Potassium		13000		91

Method:	6010B	Analysis Batch: 510-33276		Instrument ID:	TJETraceC
Preparation:	3050B	Prep Batch: 510-33102		Lab File ID:	41261C
Dilution:	100			Initial Weight/Volume:	1.0968 g
Date Analyzed:	05/14/2008 1216			Final Weight/Volume:	50 mL
Date Prepared:	05/10/2008 2137				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Nickel		4100		46
Zinc		5200		230

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Client Sample ID: **VS - SO1 - 050908**

Lab Sample ID: 510-26790-6
Client Matrix: Waste

Date Sampled: 05/09/2008 1617
Date Received: 05/09/2008 1811

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 510-33293	Instrument ID: TJETraceB
Preparation:	3050B	Prep Batch: 510-33102	Lab File ID: 1150861
Dilution:	100		Initial Weight/Volume: 1.0968 g
Date Analyzed:	05/14/2008 1543		Final Weight/Volume: 50 mL
Date Prepared:	05/10/2008 2137		

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Aluminum		6600		2300

Method:	6010B	Analysis Batch: 510-33330	Instrument ID: TJETraceC
Preparation:	3050B	Prep Batch: 510-33102	Lab File ID: 41261C
Dilution:	100		Initial Weight/Volume: 1.0968 g
Date Analyzed:	05/14/2008 2016		Final Weight/Volume: 50 mL
Date Prepared:	05/10/2008 2137		

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Sodium		48000		6800

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471A	Analysis Batch: 510-33202	Instrument ID: Leeman Hydra AA
Preparation:	7471A	Prep Batch: 510-33091	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 0.5382 g
Date Analyzed:	05/10/2008 2030		Final Weight/Volume: 50 mL
Date Prepared:	05/10/2008 1544		

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Mercury		<0.019		0.019

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Client Sample ID: **VS - SO2 - 050908**

Lab Sample ID: 510-26790-7
Client Matrix: Waste

Date Sampled: 05/09/2008 1620
Date Received: 05/09/2008 1811

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 510-33234	Instrument ID: TJETraceB
Preparation:	3050B	Prep Batch: 510-33102	Lab File ID: 1150861
Dilution:	2.0		Initial Weight/Volume: 1.0043 g
Date Analyzed:	05/13/2008 1538		Final Weight/Volume: 50 mL
Date Prepared:	05/10/2008 2137		

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Antimony		39		15
Barium		590		10
Beryllium		0.95		0.50
Cadmium		<10		10
Chromium		58		1.0
Cobalt		760		2.0
Copper		2500		5.0
Lead		76		5.0
Magnesium		3300		50
Manganese		1000		2.0
Nickel		1900		1.0
Selenium		51		2.0
Silver		12		4.0
Vanadium		72		2.0
Zinc		1300		5.0

Method:	6010B	Analysis Batch: 510-33252	Instrument ID: TJETraceC
Preparation:	3050B	Prep Batch: 510-33102	Lab File ID: 41261C
Dilution:	2.0		Initial Weight/Volume: 1.0043 g
Date Analyzed:	05/13/2008 1556		Final Weight/Volume: 50 mL
Date Prepared:	05/10/2008 2137		

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Arsenic		68		3.0
Potassium		10000		100

Method:	6010B	Analysis Batch: 510-33276	Instrument ID: TJETraceC
Preparation:	3050B	Prep Batch: 510-33102	Lab File ID: 41261C
Dilution:	10		Initial Weight/Volume: 1.0043 g
Date Analyzed:	05/14/2008 1140		Final Weight/Volume: 50 mL
Date Prepared:	05/10/2008 2137		

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Calcium		57000		500
Iron		72000		25
Thallium		<45		45

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Client Sample ID: **VS - SO2 - 050908**

Lab Sample ID: 510-26790-7
Client Matrix: Waste

Date Sampled: 05/09/2008 1620
Date Received: 05/09/2008 1811

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3050B
Dilution: 10
Date Analyzed: 05/14/2008 1515
Date Prepared: 05/10/2008 2137

Analysis Batch: 510-33293
Prep Batch: 510-33102

Instrument ID: TJETraceB
Lab File ID: 1150861
Initial Weight/Volume: 1.0043 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Aluminum		11000		250

Method: 6010B
Preparation: 3050B
Dilution: 10
Date Analyzed: 05/14/2008 1948
Date Prepared: 05/10/2008 2137

Analysis Batch: 510-33330
Prep Batch: 510-33102

Instrument ID: TJETraceC
Lab File ID: 41261C
Initial Weight/Volume: 1.0043 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Sodium		21000		750

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 05/10/2008 2033
Date Prepared: 05/10/2008 1544

Analysis Batch: 510-33202
Prep Batch: 510-33091

Instrument ID: Leeman Hydra AA
Lab File ID: N/A
Initial Weight/Volume: 0.5702 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Mercury		0.39		0.018

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Client Sample ID: **VS - SO3 - 050908**

Lab Sample ID: 510-26790-8
Client Matrix: Waste

Date Sampled: 05/09/2008 1630
Date Received: 05/09/2008 1811

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 510-33234		Instrument ID:	TJETraceB
Preparation:	3050B	Prep Batch: 510-33102		Lab File ID:	1150861
Dilution:	2.0			Initial Weight/Volume:	1.0373 g
Date Analyzed:	05/13/2008 1611			Final Weight/Volume:	50 mL
Date Prepared:	05/10/2008 2137				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Antimony		<14		14
Arsenic		7.9		2.9
Barium		980		9.6
Beryllium		2.5		0.48
Cadmium		<9.6		9.6
Chromium		40		0.96
Cobalt		13		1.9
Copper		34		4.8
Lead		<4.8		4.8
Magnesium		4900		48
Manganese		170		1.9
Nickel		37		0.96
Silver		<3.9		3.9
Thallium		<8.7		8.7
Vanadium		69		1.9
Zinc		27		4.8

Method:	6010B	Analysis Batch: 510-33252		Instrument ID:	TJETraceC
Preparation:	3050B	Prep Batch: 510-33102		Lab File ID:	41261C
Dilution:	2.0			Initial Weight/Volume:	1.0373 g
Date Analyzed:	05/13/2008 1635			Final Weight/Volume:	50 mL
Date Prepared:	05/10/2008 2137				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Iron		40000		4.8
Potassium		2800		96
Selenium		<1.9		1.9
Sodium		2300		140

Method:	6010B	Analysis Batch: 510-33276		Instrument ID:	TJETraceC
Preparation:	3050B	Prep Batch: 510-33102		Lab File ID:	41261C
Dilution:	100			Initial Weight/Volume:	1.0373 g
Date Analyzed:	05/14/2008 1222			Final Weight/Volume:	50 mL
Date Prepared:	05/10/2008 2137				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Calcium		39000		4800

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Client Sample ID: **VS - SO3 - 050908**

Lab Sample ID: 510-26790-8
Client Matrix: Waste

Date Sampled: 05/09/2008 1630
Date Received: 05/09/2008 1811

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 510-33293	Instrument ID: TJETraceB
Preparation:	3050B	Prep Batch: 510-33102	Lab File ID: 1150861
Dilution:	100		Initial Weight/Volume: 1.0373 g
Date Analyzed:	05/14/2008 1548		Final Weight/Volume: 50 mL
Date Prepared:	05/10/2008 2137		

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Aluminum		39000		2400

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471A	Analysis Batch: 510-33202	Instrument ID: Leeman Hydra AA
Preparation:	7471A	Prep Batch: 510-33091	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 0.5054 g
Date Analyzed:	05/10/2008 2036		Final Weight/Volume: 50 mL
Date Prepared:	05/10/2008 1544		

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Mercury		0.12		0.020

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Client Sample ID: **VS - WL04 - 050908**

Lab Sample ID: 510-26790-9
Client Matrix: Waste

Date Sampled: 05/09/2008 1607
Date Received: 05/09/2008 1811

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 510-33293	Instrument ID: TJETraceB
Preparation:	3050B	Prep Batch: 510-33102	Lab File ID: 1150861
Dilution:	1.0		Initial Weight/Volume: 1.0079 g
Date Analyzed:	05/14/2008 1605		Final Weight/Volume: 50 mL
Date Prepared:	05/10/2008 2137		

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Aluminum		<25		25

Method:	6010B	Analysis Batch: 510-33234	Instrument ID: TJETraceB
Preparation:	3050B	Prep Batch: 510-33102	Lab File ID: 1150861
Dilution:	2.0		Initial Weight/Volume: 1.0079 g
Date Analyzed:	05/13/2008 1625		Final Weight/Volume: 50 mL
Date Prepared:	05/10/2008 2137		

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Antimony		<15		15
Arsenic		<3.0		3.0
Barium		<9.9		9.9
Beryllium		<0.50		0.50
Cadmium		<9.9		9.9
Chromium		<0.99		0.99
Cobalt		<2.0		2.0
Copper		<5.0		5.0
Lead		<5.0		5.0
Manganese		3.8		2.0
Nickel		<0.99		0.99
Selenium		<2.0		2.0
Silver		<4.0		4.0
Thallium		<8.9		8.9
Vanadium		<2.0		2.0
Zinc		<5.0		5.0

Method:	6010B	Analysis Batch: 510-33252	Instrument ID: TJETraceC
Preparation:	3050B	Prep Batch: 510-33102	Lab File ID: 41261C
Dilution:	2.0		Initial Weight/Volume: 1.0079 g
Date Analyzed:	05/13/2008 1652		Final Weight/Volume: 50 mL
Date Prepared:	05/10/2008 2137		

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Calcium		<99		99
Iron		28		5.0
Magnesium		<50		50
Potassium		<99		99
Sodium		<150		150

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Client Sample ID: **VS - WL04 - 050908**

Lab Sample ID: 510-26790-9
Client Matrix: Waste

Date Sampled: 05/09/2008 1607
Date Received: 05/09/2008 1811

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471A	Analysis Batch: 510-33202		Instrument ID:	Leeman Hydra AA
Preparation:	7471A	Prep Batch: 510-33091		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.5362 g
Date Analyzed:	05/10/2008 2042			Final Weight/Volume:	50 mL
Date Prepared:	05/10/2008 1544				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Mercury		<0.019		0.019

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Client Sample ID: **VS - WP01 - 050908**

Lab Sample ID: 510-26790-10
Client Matrix: Wipe

Date Sampled: 05/09/2008 1610
Date Received: 05/09/2008 1811

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 510-33353		Instrument ID:	TJETraceC
Preparation:	3050B	Prep Batch: 510-33317		Lab File ID:	41261C
Dilution:	2.0			Initial Weight/Volume:	1 Wipe
Date Analyzed:	05/15/2008 1245			Final Weight/Volume:	50 mL
Date Prepared:	05/15/2008 0910				

Analyte	Result (mg/wipe)	Qualifier	RL
Antimony	<0.030		0.030
Arsenic	<0.0060		0.0060
Barium	0.075		0.0020
Beryllium	<0.0010		0.0010
Cadmium	<0.0020		0.0020
Manganese	0.14		0.0040
Calcium	1.4		0.20
Chromium	0.013		0.0020
Cobalt	0.068		0.0040
Copper	0.090		0.010
Iron	12		0.10
Lead	0.046		0.010
Magnesium	0.15		0.10
Nickel	0.15		0.0020
Selenium	<0.0040		0.0040
Silver	<0.0080		0.0080
Thallium	<0.018		0.018
Vanadium	<0.0040		0.0040
Zinc	0.13		0.010

Method:	6010B	Analysis Batch: 510-33360		Instrument ID:	TJETraceB
Preparation:	3050B	Prep Batch: 510-33317		Lab File ID:	1150861
Dilution:	2.0			Initial Weight/Volume:	1 Wipe
Date Analyzed:	05/15/2008 1307			Final Weight/Volume:	50 mL
Date Prepared:	05/15/2008 0910				

Analyte	Result (mg/wipe)	Qualifier	RL
Aluminum	0.42		0.10

Method:	6010B	Analysis Batch: 510-33371		Instrument ID:	TJETraceC
Preparation:	3050B	Prep Batch: 510-33317		Lab File ID:	41261C
Dilution:	2.0			Initial Weight/Volume:	1 Wipe
Date Analyzed:	05/15/2008 1621			Final Weight/Volume:	50 mL
Date Prepared:	05/15/2008 0910				

Analyte	Result (mg/wipe)	Qualifier	RL
Potassium	1.5		0.20
Sodium	2.3		0.30

General Chemistry

Client Sample ID: **VS - WLO1 - 050908**

Lab Sample ID: 510-26790-1
Client Matrix: Water

Date Sampled: 05/09/2008 1543
Date Received: 05/09/2008 1811

Analyte	Result	Qual	Units	RL	Dil	Method
pH	12.7		SU	0.0100	1.0	9040B
	Anly Batch: 510-33228	Date Analyzed	05/13/2008 1642			

Client Sample ID: **VS - WLO1 - 050908 DP**

Lab Sample ID: 510-26790-2
Client Matrix: Water

Date Sampled: 05/09/2008 1543
Date Received: 05/09/2008 1811

Analyte	Result	Qual	Units	RL	Dil	Method
pH	12.8		SU	0.0100	1.0	9040B
	Anly Batch: 510-33228	Date Analyzed	05/13/2008 1642			

Client Sample ID: **VS - WLO2 - 050908**

Lab Sample ID: 510-26790-3
Client Matrix: Water

Date Sampled: 05/09/2008 1550
Date Received: 05/09/2008 1811

Analyte	Result	Qual	Units	RL	Dil	Method
Cyanide, Total	<0.0050		mg/L	0.0050	1.0	SM 4500 CN E
	Anly Batch: 510-33229	Date Analyzed	05/13/2008 1536			
	Prep Batch: 510-33196	Date Prepared:	05/13/2008 1135			

Analyte	Result	Qual	Units	RL	Dil	Method
pH	1.72		SU	0.0100	1.0	9040B
	Anly Batch: 510-33228	Date Analyzed	05/13/2008 1642			

Client Sample ID: **VS - WSO1 - 050908**

Lab Sample ID: 510-26790-5
Client Matrix: Waste

Date Sampled: 05/09/2008 1602
Date Received: 05/09/2008 1811

Analyte	Result	Qual	Units	RL	Dil	Method
pH	10.1		SU	0.0100	1.0	9045C
	Anly Batch: 510-33262	Date Analyzed	05/14/2008 1052			DryWt Corrected: N

General Chemistry

Client Sample ID: **VS - SO1 - 050908**

Lab Sample ID: 510-26790-6
Client Matrix: Waste

Date Sampled: 05/09/2008 1617
Date Received: 05/09/2008 1811

Analyte	Result	Qual	Units	RL	Dil	Method
pH	9.29		SU	0.0100	1.0	9045C
	Anly Batch: 510-33262	Date Analyzed	05/14/2008 1052		DryWt Corrected: N	

Client Sample ID: **VS - SO2 - 050908**

Lab Sample ID: 510-26790-7
Client Matrix: Waste

Date Sampled: 05/09/2008 1620
Date Received: 05/09/2008 1811

Analyte	Result	Qual	Units	RL	Dil	Method
Cyanide, Total	0.27		mg/Kg	0.25	1.0	9012A
	Anly Batch: 510-33229	Date Analyzed	05/13/2008 1546		DryWt Corrected: N	
	Prep Batch: 510-33201	Date Prepared:	05/13/2008 1135			

Analyte	Result	Qual	Units	RL	Dil	Method
pH	6.10		SU	0.0100	1.0	9045C
	Anly Batch: 510-33262	Date Analyzed	05/14/2008 1052		DryWt Corrected: N	

DATA REPORTING QUALIFIERS

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Lab Section	Qualifier	Description
GC Semi VOA		
	X	Surrogate exceeds the control limits
	D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
Metals		
	F	MS or MSD exceeds the control limits
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
General Chemistry		
	F	MS or MSD exceeds the control limits

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Method Blank - Batch: 510-33149

Method: 8082
Preparation: 3580A

Lab Sample ID: MB 510-33149/1-A
Client Matrix: Wipe
Dilution: 1.0
Date Analyzed: 05/13/2008 0834
Date Prepared: 05/12/2008 1536

Analysis Batch: 510-33206
Prep Batch: 510-33149
Units: ug/Wipe

Instrument ID: SVOA GC - ECD
Lab File ID: B3964.D
Initial Weight/Volume: 0.5 Wipe
Final Weight/Volume: 5 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	Result	Qual	RL
PCB-1016	<1.0		1.0
PCB-1221	<1.0		1.0
PCB-1232	<1.0		1.0
PCB-1242	<1.0		1.0
PCB-1248	<1.0		1.0
PCB-1254	<1.0		1.0
PCB-1260	<1.0		1.0

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	94	31 - 154
Dibutylchlorendate	93	36 - 158

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 510-33149

Method: 8082
Preparation: 3580A

LCS Lab Sample ID:	LCS 510-33149/2-A	Analysis Batch:	510-33206	Instrument ID:	SVOA GC - ECD
Client Matrix:	Wipe	Prep Batch:	510-33149	Lab File ID:	B3965.D
Dilution:	1.0	Units:	ug/Wipe	Initial Weight/Volume:	0.5 Wipe
Date Analyzed:	05/13/2008 0849			Final Weight/Volume:	5 mL
Date Prepared:	05/12/2008 1536			Injection Volume:	1.0 uL
				Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 510-33149/3-A	Analysis Batch:	510-33206	Instrument ID:	SVOA GC - ECD
Client Matrix:	Wipe	Prep Batch:	510-33149	Lab File ID:	B3966.D
Dilution:	1.0	Units:	ug/Wipe	Initial Weight/Volume:	0.5 Wipe
Date Analyzed:	05/13/2008 0904			Final Weight/Volume:	5 mL
Date Prepared:	05/12/2008 1536			Injection Volume:	1.0 uL
				Column ID:	PRIMARY

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
PCB-1016	102	103	57 - 118	1	30		
PCB-1260	102	104	67 - 128	1	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	94	94	31 - 154
Dibutylchlorendate	101	101	36 - 158

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 510-33149

Method: 8082
Preparation: 3580A

LCS Lab Sample ID:	LCS 510-33149/2-A	Units:	ug/Wipe	LCSD Lab Sample ID:	LCSD 510-33149/3-A
Client Matrix:	Wipe			Client Matrix:	Wipe
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	05/13/2008 0849			Date Analyzed:	05/13/2008 0904
Date Prepared:	05/12/2008 1536			Date Prepared:	05/12/2008 1536

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
PCB-1016	10.0	10.0	10.2	10.3
PCB-1260	10.0	10.0	10.2	10.4

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Method Blank - Batch: 510-33157

Method: 8082
Preparation: 3580A

Lab Sample ID: MB 510-33157/1-A
Client Matrix: Waste
Dilution: 1.0
Date Analyzed: 05/13/2008 0955
Date Prepared: 05/12/2008 1630

Analysis Batch: 510-33217
Prep Batch: 510-33157
Units: ug/Kg

Instrument ID: SVOA GC - ECD
Lab File ID: B3969.D
Initial Weight/Volume: 0.5 g
Final Weight/Volume: 5 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	Result	Qual	RL
PCB-1016	<2000		2000
PCB-1221	<2000		2000
PCB-1232	<2000		2000
PCB-1242	<2000		2000
PCB-1248	<2000		2000
PCB-1254	<2000		2000
PCB-1260	<2000		2000

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	94	36 - 158
Dibutylchlorendate	94	31 - 154

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 510-33157

Method: 8082
Preparation: 3580A

LCS Lab Sample ID:	LCS 510-33157/2-A	Analysis Batch: 510-33217	Instrument ID: SVOA GC - ECD
Client Matrix:	Waste	Prep Batch: 510-33157	Lab File ID: B3970.D
Dilution:	1.0	Units: ug/Kg	Initial Weight/Volume: 0.5 g
Date Analyzed:	05/13/2008 1010		Final Weight/Volume: 5 mL
Date Prepared:	05/12/2008 1630		Injection Volume: 1.0 uL
			Column ID: PRIMARY

LCSD Lab Sample ID:	LCSD 510-33157/3-A	Analysis Batch: 510-33217	Instrument ID: SVOA GC - ECD
Client Matrix:	Waste	Prep Batch: 510-33157	Lab File ID: B3971.D
Dilution:	1.0	Units: ug/Kg	Initial Weight/Volume: 0.5 g
Date Analyzed:	05/13/2008 1027		Final Weight/Volume: 5 mL
Date Prepared:	05/12/2008 1630		Injection Volume: 1.0 uL
			Column ID: PRIMARY

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
PCB-1016	102	101	73 - 122	1	25		
PCB-1260	103	102	76 - 128	1	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	95	94	36 - 158
Dibutylchlorendate	102	101	31 - 154

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 510-33157

Method: 8082
Preparation: 3580A

LCS Lab Sample ID:	LCS 510-33157/2-A	Units: ug/Kg	LCSD Lab Sample ID: LCSD 510-33157/3-A
Client Matrix:	Waste		Client Matrix: Waste
Dilution:	1.0		Dilution: 1.0
Date Analyzed:	05/13/2008 1010		Date Analyzed: 05/13/2008 1027
Date Prepared:	05/12/2008 1630		Date Prepared: 05/12/2008 1630

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
PCB-1016	10000	10000	10200	10100
PCB-1260	10000	10000	10300	10200

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Method Blank - Batch: 510-33100

Method: 6010B
Preparation: 3010A

Lab Sample ID: MB 510-33100/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/12/2008 2248
Date Prepared: 05/10/2008 2128

Analysis Batch: 510-33176
Prep Batch: 510-33100
Units: mg/L

Instrument ID: TJETraceB
Lab File ID: 1150861
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Aluminum	<0.50		0.50
Antimony	<0.15		0.15
Arsenic	<0.030		0.030
Barium	<0.010		0.010
Cadmium	<0.010		0.010
Calcium	<1.0		1.0
Chromium	<0.010		0.010
Cobalt	<0.020		0.020
Copper	<0.050		0.050
Iron	<0.50		0.50
Lead	<0.050		0.050
Manganese	<0.020		0.020
Nickel	<0.010		0.010
Selenium	<0.020		0.020
Silver	<0.040		0.040
Thallium	<0.090		0.090
Vanadium	<0.020		0.020

Method Blank - Batch: 510-33100

Method: 6010B
Preparation: 3010A

Lab Sample ID: MB 510-33100/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/13/2008 1714
Date Prepared: 05/10/2008 2128

Analysis Batch: 510-33252
Prep Batch: 510-33100
Units: mg/L

Instrument ID: TJETraceC
Lab File ID: 41261C
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Barium	<0.010		0.010
Beryllium	<0.0050		0.0050
Magnesium	<0.50		0.50
Potassium	<1.0		1.0
Sodium	<1.5		1.5
Zinc	<0.050		0.050

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Method Blank - Batch: 510-33100

Method: 6010B
Preparation: 3010A

Lab Sample ID:	MB 510-33100/1-A	Analysis Batch:	510-33330	Instrument ID:	TJETraceC
Client Matrix:	Water	Prep Batch:	510-33100	Lab File ID:	41261C
Dilution:	1 0	Units:	mg/L	Initial Weight/Volume:	50 mL
Date Analyzed:	05/14/2008 1812			Final Weight/Volume:	50 mL
Date Prepared:	05/10/2008 2128				

Analyte	Result	Qual	RL
Sodium	<1.5		1.5

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Lab Control Spike - Batch: 510-33100

Method: 6010B
Preparation: 3010A

Lab Sample ID: LCS 510-33100/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/12/2008 2253
Date Prepared: 05/10/2008 2128

Analysis Batch: 510-33176
Prep Batch: 510-33100
Units: mg/L

Instrument ID: TJETraceB
Lab File ID: 1150861
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	1.00	1.14	114	80 - 120	
Antimony	0.500	0.563	113	80 - 120	
Arsenic	0.500	0.517	103	80 - 120	
Barium	1.00	1.04	104	80 - 120	
Cadmium	0.500	0.525	105	80 - 120	
Calcium	50.5	53.7	106	80 - 120	
Chromium	0.500	0.518	104	80 - 120	
Cobalt	0.500	0.515	103	80 - 120	
Copper	0.500	0.537	107	80 - 120	
Iron	0.500	<0.50	95	80 - 120	
Lead	0.500	0.538	108	80 - 120	
Manganese	0.500	0.535	107	80 - 120	
Nickel	0.500	0.534	107	80 - 120	
Selenium	0.500	0.522	104	80 - 120	
Silver	1.00	1.04	104	80 - 120	
Thallium	0.500	0.511	102	80 - 120	
Vanadium	0.500	0.518	104	80 - 120	

Lab Control Spike - Batch: 510-33100

Method: 6010B
Preparation: 3010A

Lab Sample ID: LCS 510-33100/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/13/2008 1720
Date Prepared: 05/10/2008 2128

Analysis Batch: 510-33252
Prep Batch: 510-33100
Units: mg/L

Instrument ID: TJETraceC
Lab File ID: 41261C
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Barium	1.00	1.01	101	80 - 120	
Beryllium	0.500	0.508	102	80 - 120	
Magnesium	50.5	49.5	98	80 - 120	
Potassium	60.0	64.1	107	80 - 120	
Sodium	51.0	55.8	109	80 - 120	
Zinc	0.500	0.522	104	80 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Lab Control Spike - Batch: 510-33100

Method: 6010B
Preparation: 3010A

Lab Sample ID:	LCS 510-33100/2-A	Analysis Batch:	510-33330	Instrument ID:	TJETraceC
Client Matrix:	Water	Prep Batch:	510-33100	Lab File ID:	41261C
Dilution:	1.0	Units:	mg/L	Initial Weight/Volume:	50 mL
Date Analyzed:	05/14/2008 1817			Final Weight/Volume:	50 mL
Date Prepared:	05/10/2008 2128				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Sodium	51.0	54.9	108	80 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Method Blank - Batch: 510-33102

Method: 6010B
Preparation: 3050B

Lab Sample ID: MB 510-33102/1-A ^2
Client Matrix: Waste
Dilution: 2.0
Date Analyzed: 05/13/2008 1544
Date Prepared: 05/10/2008 2137

Analysis Batch: 510-33252
Prep Batch: 510-33102
Units: mg/Kg

Instrument ID: TJETraceC
Lab File ID: 41261C
Initial Weight/Volume: 1.0 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Arsenic	<0.060		0.060
Barium	<0.20		0.20
Calcium	<2.0		2.0
Iron	<0.10		0.10
Manganese	<0.040		0.040
Magnesium	<1.0		1.0
Potassium	<2.0		2.0
Selenium	<0.040		0.040
Sodium	<3.0		3.0

Method Blank - Batch: 510-33102

Method: 6010B
Preparation: 3050B

Lab Sample ID: MB 510-33102/1-A ^2
Client Matrix: Waste
Dilution: 2.0
Date Analyzed: 05/14/2008 1506
Date Prepared: 05/10/2008 2137

Analysis Batch: 510-33293
Prep Batch: 510-33102
Units: mg/Kg

Instrument ID: TJETraceB
Lab File ID: 1150861
Initial Weight/Volume: 1.0 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Aluminum	<1.0		1.0

Method Blank - Batch: 510-33102

Method: 6010B
Preparation: 3050B

Lab Sample ID: MB 510-33102/1-A ^2
Client Matrix: Waste
Dilution: 2.0
Date Analyzed: 05/14/2008 1936
Date Prepared: 05/10/2008 2137

Analysis Batch: 510-33330
Prep Batch: 510-33102
Units: mg/Kg

Instrument ID: TJETraceC
Lab File ID: 41261C
Initial Weight/Volume: 1.0 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Sodium	<3.0		3.0

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Lab Control Spike - Batch: 510-33102

Method: 6010B
Preparation: 3050B

Lab Sample ID: LCS 510-33102/2-A ^2
Client Matrix: Waste
Dilution: 2 0
Date Analyzed: 05/13/2008 1550
Date Prepared: 05/10/2008 2137

Analysis Batch: 510-33252
Prep Batch: 510-33102
Units: mg/Kg

Instrument ID: TJETraceC
Lab File ID: 41261C
Initial Weight/Volume: 0.9953 g
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	132	124	94	80 - 119	
Barium	319	311	98	83 - 117	
Calcium	3920	3970	101	81 - 119	
Iron	13400	12000	90	50 - 149	
Manganese	453	451	99	82 - 118	
Magnesium	2610	2360	90	78 - 122	
Potassium	3460	3150	91	73 - 127	
Selenium	161	152	94	78 - 122	
Sodium	588	510	87	64 - 136	

Lab Control Spike - Batch: 510-33102

Method: 6010B
Preparation: 3050B

Lab Sample ID: LCS 510-33102/2-A ^2
Client Matrix: Waste
Dilution: 2.0
Date Analyzed: 05/14/2008 1510
Date Prepared: 05/10/2008 2137

Analysis Batch: 510-33293
Prep Batch: 510-33102
Units: mg/Kg

Instrument ID: TJETraceB
Lab File ID: 1150861
Initial Weight/Volume: 0.9953 g
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	8260	6220	75	61 - 139	

Lab Control Spike - Batch: 510-33102

Method: 6010B
Preparation: 3050B

Lab Sample ID: LCS 510-33102/2-A ^2
Client Matrix: Waste
Dilution: 2.0
Date Analyzed: 05/14/2008 1942
Date Prepared: 05/10/2008 2137

Analysis Batch: 510-33330
Prep Batch: 510-33102
Units: mg/Kg

Instrument ID: TJETraceC
Lab File ID: 41261C
Initial Weight/Volume: 0.9953 g
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Sodium	588	490	83	64 - 136	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Method Blank - Batch: 510-33317

Method: 6010B
Preparation: 3050B

Lab Sample ID: MB 510-33317/1-A
Client Matrix: Wipe
Dilution: 2.0
Date Analyzed: 05/15/2008 1228
Date Prepared: 05/15/2008 0910

Analysis Batch: 510-33353
Prep Batch: 510-33317
Units: mg/wipe

Instrument ID: TJETraceC
Lab File ID: 41261C
Initial Weight/Volume: 1 Wipe
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Antimony	<0.030		0.030
Arsenic	<0.0060		0.0060
Barium	<0.0020		0.0020
Beryllium	<0.0010		0.0010
Cadmium	<0.0020		0.0020
Calcium	<0.20		0.20
Chromium	<0.0020		0.0020
Cobalt	<0.0040		0.0040
Copper	<0.010		0.010
Iron	<0.10		0.10
Lead	<0.010		0.010
Manganese	<0.0040		0.0040
Magnesium	<0.10		0.10
Nickel	<0.0020		0.0020
Selenium	<0.0040		0.0040
Silver	<0.0080		0.0080
Thallium	<0.018		0.018
Vanadium	<0.0040		0.0040
Zinc	<0.010		0.010

Method Blank - Batch: 510-33317

Method: 6010B
Preparation: 3050B

Lab Sample ID: MB 510-33317/1-A ^2
Client Matrix: Wipe
Dilution: 2.0
Date Analyzed: 05/15/2008 1254
Date Prepared: 05/15/2008 0910

Analysis Batch: 510-33360
Prep Batch: 510-33317
Units: mg/wipe

Instrument ID: TJETraceB
Lab File ID: 1150861
Initial Weight/Volume: 1 Wipe
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Aluminum	<0.10		0.10

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Method Blank - Batch: 510-33317

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 510-33317/1-A ^2	Analysis Batch:	510-33371	Instrument ID:	TJETraceC
Client Matrix:	Wipe	Prep Batch:	510-33317	Lab File ID:	41261C
Dilution:	2.0	Units:	mg/wipe	Initial Weight/Volume:	1 Wipe
Date Analyzed:	05/15/2008 1604			Final Weight/Volume:	50 mL
Date Prepared:	05/15/2008 0910				

Analyte	Result	Qual	RL
Potassium	<0.20		0.20
Sodium	<0.30		0.30

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Lab Control Spike - Batch: 510-33317

Method: 6010B
Preparation: 3050B

Lab Sample ID: LCS 510-33317/3-A ^2
Client Matrix: Wipe
Dilution: 2.0
Date Analyzed: 05/15/2008 1239
Date Prepared: 05/15/2008 0910

Analysis Batch: 510-33353
Prep Batch: 510-33317
Units: mg/wipe

Instrument ID: TJETraceC
Lab File ID: 41261C
Initial Weight/Volume: 1.0199 Wipe
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Antimony	0.0902	0.0982	109	75 - 125	
Arsenic	0.132	0.114	87	75 - 125	
Barium	0.319	0.299	94	75 - 125	
Beryllium	0.0895	0.0818	91	75 - 125	
Cadmium	0.0665	0.0646	97	75 - 125	
Calcium	3.92	3.74	95	75 - 125	
Chromium	0.0729	0.0693	95	75 - 125	
Cobalt	0.0731	0.0688	94	75 - 125	
Copper	0.0685	0.0631	92	75 - 125	
Iron	13.4	12.0	90	75 - 125	
Lead	0.130	0.128	98	75 - 125	
Manganese	0.453	0.426	94	75 - 125	
Magnesium	2.61	2.33	89	75 - 125	
Nickel	0.0556	0.0521	94	75 - 125	
Selenium	0.161	0.140	87	75 - 125	
Silver	0.101	0.0962	95	75 - 125	
Thallium	0.133	0.127	95	75 - 125	
Vanadium	0.0830	0.0782	94	75 - 125	
Zinc	0.177	0.163	92	75 - 125	

Lab Control Spike - Batch: 510-33317

Method: 6010B
Preparation: 3050B

Lab Sample ID: LCS 510-33317/3-A ^2
Client Matrix: Wipe
Dilution: 2.0
Date Analyzed: 05/15/2008 1302
Date Prepared: 05/15/2008 0910

Analysis Batch: 510-33360
Prep Batch: 510-33317
Units: mg/wipe

Instrument ID: TJETraceB
Lab File ID: 1150861
Initial Weight/Volume: 1.0199 Wipe
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	8.26	8.06	98	75 - 125	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Lab Control Spike - Batch: 510-33317

Method: 6010B
Preparation: 3050B

Lab Sample ID:	LCS 510-33317/3-A ^2	Analysis Batch:	510-33371	Instrument ID:	TJETraceC
Client Matrix:	Wipe	Prep Batch:	510-33317	Lab File ID:	41261C
Dilution:	2.0	Units:	mg/wipe	Initial Weight/Volume:	1.0199 Wipe
Date Analyzed:	05/15/2008 1615			Final Weight/Volume:	50 mL
Date Prepared:	05/15/2008 0910				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Potassium	3.46	3.18	92	75 - 125	
Sodium	0.588	0.473	80	75 - 125	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Method Blank - Batch: 510-33336

Method: 7470A
Preparation: 7470A

Lab Sample ID:	MB 510-33336/1-A	Analysis Batch:	510-33355	Instrument ID:	Leeman Hydra AA
Client Matrix:	Water	Prep Batch:	510-33336	Lab File ID:	N/A
Dilution:	1.0	Units:	mg/L	Initial Weight/Volume:	50 mL
Date Analyzed:	05/15/2008 1258			Final Weight/Volume:	50 mL
Date Prepared:	05/15/2008 0940				

Analyte	Result	Qual	RL
Mercury	<0.00020		0.00020

Lab Control Spike - Batch: 510-33336

Method: 7470A
Preparation: 7470A

Lab Sample ID:	LCS 510-33336/2-A	Analysis Batch:	510-33355	Instrument ID:	Leeman Hydra AA
Client Matrix:	Water	Prep Batch:	510-33336	Lab File ID:	N/A
Dilution:	1.0	Units:	mg/L	Initial Weight/Volume:	50 mL
Date Analyzed:	05/15/2008 1304			Final Weight/Volume:	50 mL
Date Prepared:	05/15/2008 0940				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.00500	0.00507	101	80 - 120	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 510-33336

Method: 7470A
Preparation: 7470A

MS Lab Sample ID:	510-26790-A-2-C MS	Analysis Batch:	510-33355	Instrument ID:	Leeman Hydra AA
Client Matrix:	Water	Prep Batch:	510-33336	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	05/15/2008 1310			Final Weight/Volume:	50 mL
Date Prepared:	05/15/2008 0940				

MSD Lab Sample ID:	510-26790-A-2-D MSD	Analysis Batch:	510-33355	Instrument ID:	Leeman Hydra AA
Client Matrix:	Water	Prep Batch:	510-33336	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	05/15/2008 1313			Final Weight/Volume:	50 mL
Date Prepared:	05/15/2008 0940				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	65	64	75 - 125	1	20	F	F

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Matrix Spike/
Matrix Spike Duplicate Data Report - Batch: 510-33336

Method: 7470A
Preparation: 7470A

MS Lab Sample ID:	510-26790-A-2-C MS	Units: mg/L	MSD Lab Sample ID:	510-26790-A-2-D MSD
Client Matrix:	Water		Client Matrix:	Water
Dilution:	1.0		Dilution:	1.0
Date Analyzed:	05/15/2008 1310		Date Analyzed:	05/15/2008 1313
Date Prepared:	05/15/2008 0940		Date Prepared:	05/15/2008 0940

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Mercury	<0.00020	0.00500	0.00500	0.00325	F	0.00322	F

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Method Blank - Batch: 510-33091

Method: 7471A
Preparation: 7471A

Lab Sample ID:	MB 510-33091/1-A	Analysis Batch:	510-33202	Instrument ID:	Leeman Hydra AA
Client Matrix:	Waste	Prep Batch:	510-33091	Lab File ID:	N/A
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	0.5 g
Date Analyzed:	05/10/2008 2016			Final Weight/Volume:	50 mL
Date Prepared:	05/10/2008 1544				

Analyte	Result	Qual	RL
Mercury	<0.020		0.020

Lab Control Spike - Batch: 510-33091

Method: 7471A
Preparation: 7471A

Lab Sample ID:	LCS 510-33091/2-A	Analysis Batch:	510-33202	Instrument ID:	Leeman Hydra AA
Client Matrix:	Waste	Prep Batch:	510-33091	Lab File ID:	N/A
Dilution:	5.0	Units:	mg/Kg	Initial Weight/Volume:	0.1057 g
Date Analyzed:	05/10/2008 2018			Final Weight/Volume:	50 mL
Date Prepared:	05/10/2008 1544				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	8.28	8.37	101	66 - 133	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Method Blank - Batch: 510-33201

Method: 9012A
Preparation: 9012A

Lab Sample ID: MB 510-33201/1-A
Client Matrix: Waste
Dilution: 1.0
Date Analyzed: 05/13/2008 1542
Date Prepared: 05/13/2008 1135

Analysis Batch: 510-33229
Prep Batch: 510-33201
Units: mg/Kg

Instrument ID: OI Analytical - Flow Solution IV
Lab File ID: C:\NEWFLO~1.2\051308CN.RS
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Cyanide, Total	<0.0050		0.0050

Low Level Control Sample - Batch: 510-33201

Method: 9012A
Preparation: 9012A

Lab Sample ID: LLCS 510-33201/2-A
Client Matrix: Waste
Dilution: 1.0
Date Analyzed: 05/13/2008 1543
Date Prepared: 05/13/2008 1135

Analysis Batch: 510-33229
Prep Batch: 510-33201
Units: mg/Kg

Instrument ID: OI Analytical - Flow Solution IV
Lab File ID: C:\NEWFLO~1.2\051308CN.F
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	0.0204	0.0194	95	80 - 120	

Lab Control Spike - Batch: 510-33201

Method: 9012A
Preparation: 9012A

Lab Sample ID: LCS 510-33201/3-A
Client Matrix: Waste
Dilution: 1.0
Date Analyzed: 05/13/2008 1545
Date Prepared: 05/13/2008 1135

Analysis Batch: 510-33229
Prep Batch: 510-33201
Units: mg/Kg

Instrument ID: OI Analytical - Flow Solution IV
Lab File ID: C:\NEWFLO~1.2\051308CN.F
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	0.0817	0.0764	94	80 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Matrix Spike - Batch: 510-33201

Method: 9012A
Preparation: 9012A

Lab Sample ID: 510-26790-7
Client Matrix: Waste
Dilution: 1.0
Date Analyzed: 05/13/2008 1548
Date Prepared: 05/13/2008 1135

Analysis Batch: 510-33229
Prep Batch: 510-33201
Units: mg/Kg

Instrument ID: OI Analytical - Flow Solution I\
Lab File ID: C:\NEWFLO~1.2\051308CN.F
Initial Weight/Volume: 1.0121 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	0.27	2.47	2 07	73	75 - 125	F

Duplicate - Batch: 510-33201

Method: 9012A
Preparation: 9012A

Lab Sample ID: 510-26790-7
Client Matrix: Waste
Dilution: 1.0
Date Analyzed: 05/13/2008 1547
Date Prepared: 05/13/2008 1135

Analysis Batch: 510-33229
Prep Batch: 510-33201
Units: mg/Kg

Instrument ID: OI Analytical - Flow Solution IV
Lab File ID: C:\NEWFLO~1.2\051308CN.RST
Initial Weight/Volume: 1.0154 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Cyanide, Total	0.27	0.315	15	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Lab Control Spike - Batch: 510-33228

Method: 9040B
Preparation: N/A

Lab Sample ID: LCS 510-33228/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/13/2008 1642
Date Prepared: N/A

Analysis Batch: 510-33228
Prep Batch: N/A
Units: SU

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 40 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
pH	7.15	7.120	100	97 - 103	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Lab Control Spike - Batch: 510-33262

Method: 9045C
Preparation: N/A

Lab Sample ID: LCS 510-33262/1
Client Matrix: Waste
Dilution: 1.0
Date Analyzed: 05/14/2008 1052
Date Prepared: N/A

Analysis Batch: 510-33262
Prep Batch: N/A
Units: SU

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
pH	7.15	7.100	99	97 - 103	

Lab Control Spike - Batch: 510-33262

Method: 9045C
Preparation: N/A

Lab Sample ID: LCS 510-33262/9
Client Matrix: Waste
Dilution: 1.0
Date Analyzed: 05/14/2008 1052
Date Prepared: N/A

Analysis Batch: 510-33262
Prep Batch: N/A
Units: SU

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
pH	12.0	11.97	100	97 - 103	

Duplicate - Batch: 510-33262

Method: 9045C
Preparation: N/A

Lab Sample ID: 510-26790-5
Client Matrix: Waste
Dilution: 1.0
Date Analyzed: 05/14/2008 1052
Date Prepared: N/A

Analysis Batch: 510-33262
Prep Batch: N/A
Units: SU

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 20.06 g
Final Weight/Volume: 20 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
pH	10.1	10.13	0	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Method Blank - Batch: 510-33196

Method: SM 4500 CN E
Preparation: SM 4500 CN C

Lab Sample ID: MB 510-33196/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/13/2008 1526
Date Prepared: 05/13/2008 1135

Analysis Batch: 510-33229
Prep Batch: 510-33196
Units: mg/L

Instrument ID: OI Analytical - Flow Solution IV
Lab File ID: C:\NEWFLO~1.2\051308CN.RS
Initial Weight/Volume: 50 mL
Final Weight/Volume: 25 mL

Analyte	Result	Qual	RL
Cyanide, Total	<0.0050		0.0050

Lab Control Spike - Batch: 510-33196

Method: SM 4500 CN E
Preparation: SM 4500 CN C

Lab Sample ID: LCS 510-33196/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/13/2008 1527
Date Prepared: 05/13/2008 1135

Analysis Batch: 510-33229
Prep Batch: 510-33196
Units: mg/L

Instrument ID: OI Analytical - Flow Solution IV
Lab File ID: C:\NEWFLO~1.2\051308CN.F
Initial Weight/Volume: 50 mL
Final Weight/Volume: 25 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	0.0817	0.0872	107	80 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica
2417 Bond Street
University Park, IL 60466
708.534.5200

Sampler ID _____
Temperature on Receipt 7.3°C
Drinking Water? Yes ☐ No ☒

Chain of Custody Record

TAL-4124-500 (1107)

Client	Project Manager	Date	Chain of Custody Number
Weston / USEPA	Heidi Gomill / Lisa Graczyk	05/09/08	
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 1 of 1
750 E. Bunker Ct. Suite 500	847-918-4049 / 312-424-3339		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Vernon Hills / IL / 60061	Tyunjalea Bradley	Adrienne Byrnes	
Project Name and Location (State)	**Carrier/Waybill Number**		
Vitco Inc, Nappanee, IL			
Contract/Purchase Order/Quote No.			
20790			

Analysis (Attach list if more space is needed)

Special Instructions/ Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Solid	Containers & Preservatives: Unpres.	H_2SO_4	HNO_3	HCl	NaOH	ZnAc/NaOH	1G	TAL Metals	pH	Total cyanide	PCB	Special Instructions/ Conditions of Receipt
-1 VS-WL01-050908	05/09/08	1543		✓											X	X			D-01 V-01
-2 VS-WL01-050908 DP		1543		✓											X	X			V-01
-3 VS-WL02-050908		1550		✓											X	X	X		V-02
-4 VS-WL03-050908		1555		✓											X				V-03
-5 VS-WS01-050908		1602					✓								X	X			D-01 purple
-6 VS-S01-050908		1607					✓								X	X			Grey Soil
-7 VS-S02-050908		1620					✓								X	X	X		Yellow Soil
-8 VS-S03-050908		1630				✓									X				S-03 Soil pile
-9 VS-~~SW01~~ WS09 050908		1607		✓											X	2B		X	SM
-10 VS-WP01-050908	↓	1610					with								X			X	Press

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☒ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other BUSINESS 5 Day TAT

QC Requirements (Specify)

1. Relinquished By	Date	Time	1. Received By	Date	Time
	5/9/08	1811	Adrienne Byrnes	5/9/08	1811
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

05/16/2008

Page 54 of 90

Login Sample Receipt Check List

Client: Dynamac

Job Number: 510-26790-1
SDG Number: 20405.016.001.0442.00

Login Number: 26790
Creator: Byrnes, Adrienne R
List Number: 1

List Source: TestAmerica Valparaiso

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	False	Not enough ice in cooler
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

VITCO INCORPORATED
NAPPANEE, INDIANA
DATA VALIDATION REPORT

Date: May 22, 2008
Laboratory: TestAmerica Laboratories, Inc. (TestAmerica), Valparaiso, Indiana
Laboratory Project #: 510-26790
Data Validation Performed By: Lisa Graczyk, Dynamac Corporation (Dynamac), subcontractor to Weston Solutions, Inc. (Weston)
Weston Analytical Work Order #/TDD #: 20405.016.001.0442.00/ S05-0001-0805-003

This data validation report has been prepared by Dynamac, a Weston subcontractor, under the START III Region V contract. This report documents the data validation for soil, waste, and wipe samples collected for the Vitco Incorporated Site that were analyzed for the following parameters and methods:

- Polychlorinated biphenyls (PCB) by SW-846 Method 8082
- Target Analyte List (TAL) Metals by SW-846 Methods 6010B, 7470A, and 7471A
- pH by SW-846 Methods 9040B and 9045C
- Cyanide by Standard Method (SM) 4500 CN E and SW-846 Method 9012A

A level II data package was requested from TestAmerica. The data validation was conducted in general accordance with the U.S. EPA "Contract Laboratory Program National Functional Guidance for Superfund Organic Methods Data Review" dated July 2007 and "Contract Laboratory Program National Functional Guidelines for Inorganic Data Review" dated October 2004. The Attachment contains the results summary sheets with the hand-written qualifiers applied during data validation.

PCBs by SW-846 METHOD 8082

1. **Samples**

The following table summarizes the samples for which this data validation is being conducted.

Samples	Lab ID	Matrix	Date Collected	Date Prepared	Date Analyzed
VS-WL04-050908	510-26790-9	Waste	05/09/08	05/12/2008	05/13/2008
VS-WP01-050908	510-26790-10	Wipe	05/09/08	05/12/2008	05/13/2008

2. **Holding Times**

The samples were analyzed within the required holding time limit of 14 days from sample collection to extraction and 40 days from extraction to analysis.

3. **Blank Results**

A method blank was analyzed with the samples and was free of target compound contamination.

4. **Surrogates**

The surrogates could not be recovered because a Florisil cleanup step was performed to reduce matrix interferences. The cleanup removed the surrogates from the samples. No qualification is required.

5. **Laboratory Control Sample (LCS) Results**

The LCS and LCS duplicate recoveries were within the laboratory-established quality control (QC) limits.

6. **Overall Assessment**

The data are acceptable for use based on the information received.

METALS BY SW-846 METHODS 6020A, 7470A, AND 7471A

1. **Samples**

The following table summarizes the water samples for which this data validation is being conducted.

Samples	Lab ID	Matrix	Date Collected	Date Analyzed
VS-WL01-050908	510-26790-1	Waste	05/09/2008	05/12/2008 – 05/15/2008
VS-WL01-050908DP	510-26790-2	Waste	05/09/2008	05/12/2008 – 05/15/2008
VS-WL02-050908	510-26790-3	Waste	05/09/2008	05/12/2008 – 05/15/2008
VS-WL03-050908	510-26790-4	Waste	05/09/2008	05/10/2008 – 05/14/2008
VS-WS01-050908	510-26790-5	Waste	05/09/2008	05/10/2008 – 05/14/2008
VS-S01-050908	510-26790-6	Soil	05/09/2008	05/10/2008 – 05/14/2008
VS-S02-050908	510-26790-7	Soil	05/09/2008	05/10/2008 – 05/14/2008
VS-S03-050908	510-26790-8	Soil	05/09/2008	05/10/2008 – 05/14/2008
VS-WL04-050908	510-26790-9	Waste	05/09/2008	05/10/2008 – 05/14/2008
VS-WP01-050908	510-26790-10	Wipe	05/09/2008	05/15/2008

2. Holding Times

The samples were analyzed within the required holding time limit of 28 days from sample collection for mercury and 180 days from sample collection for all other metals.

3. Blank Results

Method blanks were analyzed with the samples and were free of target analytes above the reporting limit.

4. LCS Results

The LCS recoveries were within the laboratory-established QC limits for target analytes.

5. Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Results

TestAmerica analyzed an MS and MSD using sample VS-S02-050908 as the spiked sample. The metals could not be recovered properly because their concentration in the sample was much higher than the spiked concentration (equal to or greater than four times). No qualifications were required for these discrepancies.

For the mercury analysis, TestAmerica analyzed an MS and MSD using sample VS-WL01-050908DP as the spiked sample. The MS and MSD recoveries were low. For samples VS-WL01-050908 and VS-WL01-050908DP the quantitation limits for mercury were flagged "UJ" as estimated for this discrepancy.

6. Overall Assessment

The metals data are acceptable for use as qualified based on the information received.

Data Validation Report
Vitco Incorporated
TestAmerica Laboratories, Inc.
Laboratory Work Order #: 510-26790

GENERAL CHEMISTRY PARAMETERS (Cyanide by SM 4500 CN E and SW-846 Method 9012A and Corrosivity by SW-846 Methods 9040B and 9045C)

1. Samples

The following table summarizes the samples for which this data validation is being conducted.

Samples	Lab ID	Matrix	Date Collected	Date Analyzed
VS-WL01-050908	510-26790-1	Water	05/09/2008	05/13/2008
VS-WL01-050908DP	510-26790-2	Water	05/09/2008	05/13/2008
VS-WL02-050908	510-26790-3	Waste	05/09/2008	05/13/2008
VS-WS01-050908	510-26790-5	Waste	05/09/2008	05/14/2008
VS-S01-050908	510-26790-6	Soil	05/09/2008	05/14/2008
VS-S02-050908	510-26790-7	Soil	05/09/2008	05/13/2008 – 05/14/2008

2. Holding Times

The samples were analyzed within the holding time limit of 14 days for cyanide. There are no holding time limits established for the corrosivity analysis. The various methods for corrosivity state that the samples should be analyzed "as soon as possible." The corrosivity analysis was performed within 4 to 5 days of sample collection.

3. Blank Results

A method blank was analyzed with the cyanide analysis and was free of cyanide above the reporting limit.

4. LCS Results

The LCS results for cyanide were within the laboratory established QC limits. A laboratory control spike was analyzed with the corrosivity analysis and was within QC limits of 97 to 103 percent recovery.

5. Duplicate Results

A duplicate sample was analyzed with the cyanide analysis and was within the QC limit of 20 relative percent difference.

6. Overall Assessment

The cyanide and corrosivity results are acceptable for use based on the information received.

Data Validation Report
Vitco Incorporated
TestAmerica Laboratories, Inc.
Laboratory Work Order #: 510-26790

ATTACHMENT

TESTAMERICA
RESULTS SUMMARY WITH QUALIFIERS

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Client Sample ID: **VS - WL04 - 050908**

Lab Sample ID: 510-26790-9
Client Matrix: Waste

Date Sampled: 05/09/2008 1607
Date Received: 05/09/2008 1811

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3580A
Dilution: 1.0
Date Analyzed: 05/13/2008 1042
Date Prepared: 05/12/2008 1630

Analysis Batch: 510-33217
Prep Batch: 510-33157

Instrument ID: SVOA GC - ECD
Lab File ID: B3972.D
Initial Weight/Volume: 0.50 g
Final Weight/Volume: 5 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
PCB-1016		<2000		2000
PCB-1221		<2000		2000
PCB-1232		<2000		2000
PCB-1242		<2000		2000
PCB-1248		<2000		2000
PCB-1254		<2000		2000
PCB-1260		<2000		2000

Surrogate	%Rec		Acceptance Limits
DCB Decachlorobiphenyl	23	X	36 - 158
Dibutylchlorendate	0	X	31 - 154

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Client Sample ID: **VS - WP01 - 050908**

Lab Sample ID: 510-26790-10
Client Matrix: Wipe

Date Sampled: 05/09/2008 1610
Date Received: 05/09/2008 1811

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 510-33206		Instrument ID:	SVOA GC - ECD
Preparation:	3580A	Prep Batch: 510-33149		Lab File ID:	B3967.D
Dilution:	10			Initial Weight/Volume:	1 Wipe
Date Analyzed:	05/13/2008 0919	Run Type: DL		Final Weight/Volume:	50 mL
Date Prepared:	05/12/2008 1536			Injection Volume:	1.0 uL
				Column ID:	PRIMARY

Analyte	Result (ug/Wipe)	Qualifier	RL
PCB-1016	<50		50
PCB-1221	<50		50
PCB-1232	<50		50
PCB-1242	<50		50
PCB-1248	<50		50
PCB-1254	<50		50
PCB-1260	<50		50

Surrogate	%Rec		Acceptance Limits
DCB Decachlorobiphenyl	0	D	31 - 154
Dibutylchlorendate	0	D	36 - 158

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Client Sample ID: **VS - WLO1 - 050908**

Lab Sample ID: 510-26790-1
Client Matrix: Water

Date Sampled: 05/09/2008 1543
Date Received: 05/09/2008 1811

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3010A
Dilution: 1.0
Date Analyzed: 05/12/2008 2336
Date Prepared: 05/10/2008 2128

Analysis Batch: 510-33176
Prep Batch: 510-33100

Instrument ID: TJETraceB
Lab File ID: 1150861
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Aluminum	0.51		0.50
Antimony	<0.15		0.15
Arsenic	<0.030		0.030
Barium	0.013		0.010
Cadmium	<0.010		0.010
Manganese	0.029		0.020
Calcium	2.7		1.0
Chromium	<0.010		0.010
Cobalt	<0.020		0.020
Copper	0.12		0.050
Iron	1.7		0.50
Lead	<0.050		0.050
Nickel	0.033		0.010
Selenium	<0.020		0.020
Silver	<0.040		0.040
Thallium	<0.090		0.090
Vanadium	<0.020		0.020

Method: 6010B
Preparation: 3010A
Dilution: 1.0
Date Analyzed: 05/13/2008 1742
Date Prepared: 05/10/2008 2128

Analysis Batch: 510-33252
Prep Batch: 510-33100

Instrument ID: TJETraceC
Lab File ID: 41261C
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Beryllium	<0.0050		0.0050
Magnesium	<0.50		0.50
Potassium	66		1.0
Zinc	0.27		0.050

Method: 6010B
Preparation: 3010A
Dilution: 100
Date Analyzed: 05/14/2008 1840
Date Prepared: 05/10/2008 2128

Analysis Batch: 510-33330
Prep Batch: 510-33100

Instrument ID: TJETraceC
Lab File ID: 41261C
Initial Weight/Volume: 50 mL
Final Weight/Volume 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Sodium	8500		150

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Client Sample ID: **VS - WLO1 - 050908**

Lab Sample ID: 510-26790-1
Client Matrix: Water

Date Sampled: 05/09/2008 1543
Date Received: 05/09/2008 1811

7470A Mercury in Liquid Waste (Manual Cold Vapor Technique)

Method:	7470A	Analysis Batch: 510-33355		Instrument ID:	Leeman Hydra AA
Preparation:	7470A	Prep Batch: 510-33336		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	05/15/2008 1306			Final Weight/Volume:	50 mL
Date Prepared:	05/15/2008 0940				

Analyte	Result (mg/L)	Qualifier	RL
Mercury	<0.00020 UJ		0.00020

LD
5/22/08

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Client Sample ID: VS - WLO1 - 050908 DP

Lab Sample ID: 510-26790-2
Client Matrix: Water

Date Sampled: 05/09/2008 1543
Date Received: 05/09/2008 1811

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3010A
Dilution: 1.0
Date Analyzed: 05/12/2008 2341
Date Prepared: 05/10/2008 2128

Analysis Batch: 510-33176
Prep Batch: 510-33100

Instrument ID: TJETraceB
Lab File ID: 1150861
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Aluminum	0.50		0.50
Antimony	<0.15		0.15
Arsenic	<0.030		0.030
Barium	<0.010		0.010
Cadmium	<0.010		0.010
Manganese	0.022		0.020
Calcium	2.3		1.0
Chromium	<0.010		0.010
Cobalt	<0.020		0.020
Copper	0.11		0.050
Iron	1.5		0.50
Lead	<0.050		0.050
Nickel	0.026		0.010
Selenium	<0.020		0.020
Silver	<0.040		0.040
Thallium	<0.090		0.090
Vanadium	<0.020		0.020

Method: 6010B
Preparation: 3010A
Dilution: 1.0
Date Analyzed: 05/13/2008 1748
Date Prepared: 05/10/2008 2128

Analysis Batch: 510-33252
Prep Batch: 510-33100

Instrument ID: TJETraceC
Lab File ID: 41261C
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Beryllium	<0.0050		0.0050
Magnesium	<0.50		0.50
Potassium	60		1.0
Zinc	0.25		0.050

Method: 6010B
Preparation: 3010A
Dilution: 100
Date Analyzed: 05/14/2008 1845
Date Prepared: 05/10/2008 2128

Analysis Batch: 510-33330
Prep Batch: 510-33100

Instrument ID: TJETraceC
Lab File ID: 41261C
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Sodium	14000		150

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Client Sample ID: **VS - WLO1 - 050908 DP**

Lab Sample ID: 510-26790-2
Client Matrix: Water

Date Sampled: 05/09/2008 1543
Date Received: 05/09/2008 1811

7470A Mercury in Liquid Waste (Manual Cold Vapor Technique)

Method:	7470A	Analysis Batch: 510-33355		Instrument ID:	Leeman Hydra AA
Preparation:	7470A	Prep Batch: 510-33336		Lab File ID:	N/A
Dilution:	2.0			Initial Weight/Volume:	50 mL
Date Analyzed:	05/15/2008 1517			Final Weight/Volume:	50 mL
Date Prepared:	05/15/2008 0940				

Analyte	Result (mg/L)	Qualifier	RL
Mercury	<0.00040	UJ	0.00040

LH
5/22/08

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Client Sample ID: **VS - WLO2 - 050908**

Lab Sample ID: 510-26790-3
Client Matrix: Water

Date Sampled: 05/09/2008 1550
Date Received: 05/09/2008 1811

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 510-33176		Instrument ID:	TJETraceB
Preparation:	3010A	Prep Batch: 510-33100		Lab File ID:	1150861
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	05/12/2008 2346			Final Weight/Volume:	50 mL
Date Prepared:	05/10/2008 2128				

Analyte	Result (mg/L)	Qualifier	RL
Aluminum	<0.50		0.50
Antimony	<0.15		0.15
Arsenic	<0.030		0.030
Barium	0.025		0.010
Cadmium	<0.010		0.010
Manganese	0.24		0.020
Calcium	14		1.0
Chromium	0.034		0.010
Cobalt	0.024		0.020
Copper	<0.050		0.050
Iron	34		0.50
Lead	<0.050		0.050
Nickel	0.15		0.010
Selenium	<0.020		0.020
Silver	<0.040		0.040
Thallium	<0.090		0.090
Vanadium	<0.020		0.020

Method:	6010B	Analysis Batch: 510-33252		Instrument ID:	TJETraceC
Preparation:	3010A	Prep Batch: 510-33100		Lab File ID:	41261C
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	05/13/2008 1754			Final Weight/Volume:	50 mL
Date Prepared:	05/10/2008 2128				

Analyte	Result (mg/L)	Qualifier	RL
Beryllium	<0.0050		0.0050
Magnesium	0.54		0.50
Potassium	<1.0		1.0
Sodium	3.3		1.5
Zinc	0.24		0.050

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Client Sample ID: **VS - WLO2 - 050908**

Lab Sample ID: 510-26790-3
Client Matrix: Water

Date Sampled: 05/09/2008 1550
Date Received: 05/09/2008 1811

7470A Mercury in Liquid Waste (Manual Cold Vapor Technique)

Method:	7470A	Analysis Batch: 510-33355		Instrument ID:	Leeman Hydra AA
Preparation:	7470A	Prep Batch: 510-33336		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	05/15/2008 1316			Final Weight/Volume:	50 mL
Date Prepared:	05/15/2008 0940				

Analyte	Result (mg/L)	Qualifier	RL
Mercury	<0.00020		0.00020

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Client Sample ID: **VS - WLO3 - 050908**

Lab Sample ID: 510-26790-4
Client Matrix: Waste

Date Sampled: 05/09/2008 1555
Date Received: 05/09/2008 1811

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 510-33293	Instrument ID: TJETraceB
Preparation:	3050B	Prep Batch: 510-33102	Lab File ID: 1150861
Dilution:	1.0		Initial Weight/Volume: 1.0352 g
Date Analyzed:	05/14/2008 1534		Final Weight/Volume: 50 mL
Date Prepared:	05/10/2008 2137		

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Aluminum		<24		24

Method:	6010B	Analysis Batch: 510-33234	Instrument ID: TJETraceB
Preparation:	3050B	Prep Batch: 510-33102	Lab File ID: 1150861
Dilution:	2.0		Initial Weight/Volume: 1.0352 g
Date Analyzed:	05/13/2008 1556		Final Weight/Volume: 50 mL
Date Prepared:	05/10/2008 2137		

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Antimony		<14		14
Arsenic		<2.9		2.9
Barium		<9.7		9.7
Beryllium		<0.48		0.48
Cadmium		<9.7		9.7
Chromium		<0.97		0.97
Cobalt		<1.9		1.9
Copper		<4.8		4.8
Lead		<4.8		4.8
Magnesium		<48		48
Manganese		4.5		1.9
Nickel		3.0		0.97
Selenium		<1.9		1.9
Silver		<3.9		3.9
Thallium		<8.7		8.7
Vanadium		<1.9		1.9
Zinc		<4.8		4.8

Method:	6010B	Analysis Batch: 510-33252	Instrument ID: TJETraceC
Preparation:	3050B	Prep Batch: 510-33102	Lab File ID: 41261C
Dilution:	2.0		Initial Weight/Volume: 1.0352 g
Date Analyzed:	05/13/2008 1618		Final Weight/Volume: 50 mL
Date Prepared:	05/10/2008 2137		

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Calcium		150		97
Iron		51		4.8
Potassium		<97		97
Sodium		13000		140

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Client Sample ID: **VS - WLO3 - 050908**

Lab Sample ID: 510-26790-4
Client Matrix: Waste

Date Sampled: 05/09/2008 1555
Date Received: 05/09/2008 1811

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471A	Analysis Batch: 510-33202		Instrument ID:	Leeman Hydra AA
Preparation:	7471A	Prep Batch: 510-33091		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.5189 g
Date Analyzed:	05/10/2008 2026			Final Weight/Volume:	50 mL
Date Prepared:	05/10/2008 1544				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Mercury		<0.019		0.019

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Client Sample ID: **VS - WSO1 - 050908**

Lab Sample ID: 510-26790-5
Client Matrix: Waste

Date Sampled: 05/09/2008 1602
Date Received: 05/09/2008 1811

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 510-33234		Instrument ID:	TJETraceB
Preparation:	3050B	Prep Batch: 510-33102		Lab File ID:	1150861
Dilution:	*2.0*			*Initial Weight/Volume:*	*1.0913 g*
Date Analyzed:	05/13/2008 1601			Final Weight/Volume:	50 mL
Date Prepared:	05/10/2008 2137				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Antimony		<14		14
Arsenic		2.8		2.7
Beryllium		1.4		0.46
Cadmium		<9.2		9.2
Chromium		86		0.92
Cobalt		2100		1.8
Copper		520		4.6
Lead		<4 6		4.6
Magnesium		520		46
Nickel		790		0.92
Selenium		<1.8		1.8
Silver		200		3.7
Thallium		<8.2		8.2
Vanadium		30		1.8
Zinc		79		4.6

Method:	6010B	Analysis Batch: 510-33252		Instrument ID:	TJETraceC
Preparation:	3050B	Prep Batch: 510-33102		Lab File ID:	41261C
Dilution:	2.0			Initial Weight/Volume:	1.0913 g
Date Analyzed:	05/13/2008 1624			Final Weight/Volume:	50 mL
Date Prepared:	05/10/2008 2137				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Barium		1500		9.2
Calcium		3300		92
Iron		710		4.6
Manganese		2100		1.8
Potassium		1100		92

Method:	6010B	Analysis Batch: 510-33293		Instrument ID:	TJETraceB
Preparation:	3050B	Prep Batch: 510-33102		Lab File ID:	1150861
Dilution:	20			Initial Weight/Volume:	1.0913 g
Date Analyzed:	05/14/2008 1538			Final Weight/Volume:	50 mL
Date Prepared:	05/10/2008 2137				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Aluminum		7700		460

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Client Sample ID: **VS - WSO1 - 050908**

Lab Sample ID: 510-26790-5
Client Matrix: Waste

Date Sampled: 05/09/2008 1602
Date Received: 05/09/2008 1811

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 510-33330		Instrument ID:	TJETraceC
Preparation:	3050B	Prep Batch: 510-33102		Lab File ID:	41261C
Dilution:	20			Initial Weight/Volume:	1.0913 g
Date Analyzed:	05/14/2008 2010			Final Weight/Volume:	50 mL
Date Prepared:	05/10/2008 2137				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Sodium		80000		1400

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471A	Analysis Batch: 510-33202		Instrument ID:	Leeman Hydra AA
Preparation:	7471A	Prep Batch: 510-33091		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.5320 g
Date Analyzed:	05/10/2008 2028			Final Weight/Volume:	50 mL
Date Prepared:	05/10/2008 1544				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Mercury		<0.019		0.019

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Client Sample ID: **VS - SO1 - 050908**

Lab Sample ID: 510-26790-6
Client Matrix: Waste

Date Sampled: 05/09/2008 1617
Date Received: 05/09/2008 1811

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 510-33234	Instrument ID: TJETraceB
Preparation:	3050B	Prep Batch: 510-33102	Lab File ID: 1150861
Dilution:	2.0		Initial Weight/Volume: 1.0968 g
Date Analyzed:	05/13/2008 1606		Final Weight/Volume: 50 mL
Date Prepared:	05/10/2008 2137		

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Antimony		18		14
Arsenic		5.1		2.7
Barium		630		9.1
Beryllium		<0.46		0.46
Cadmium		<9.1		9.1
Chromium		26		0.91
Cobalt		1500		1.8
Copper		2100		4.6
Lead		21		4.6
Magnesium		1000		46
Selenium		6.5		1.8
Silver		15		3.6
Thallium		<8.2		8.2
Vanadium		16		1.8

Method:	6010B	Analysis Batch: 510-33252	Instrument ID: TJETraceC
Preparation:	3050B	Prep Batch: 510-33102	Lab File ID: 41261C
Dilution:	2.0		Initial Weight/Volume: 1.0968 g
Date Analyzed:	05/13/2008 1629		Final Weight/Volume: 50 mL
Date Prepared:	05/10/2008 2137		

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Calcium		19000		91
Iron		4000		4.6
Manganese		2200		1.8
Potassium		13000		91

Method:	6010B	Analysis Batch: 510-33276	Instrument ID: TJETraceC
Preparation:	3050B	Prep Batch: 510-33102	Lab File ID: 41261C
Dilution:	100		Initial Weight/Volume: 1.0968 g
Date Analyzed:	05/14/2008 1216		Final Weight/Volume: 50 mL
Date Prepared:	05/10/2008 2137		

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Nickel		4100		46
Zinc		5200		230

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Client Sample ID: **VS - SO1 - 050908**

Lab Sample ID: 510-26790-6
Client Matrix: Waste

Date Sampled: 05/09/2008 1617
Date Received: 05/09/2008 1811

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 510-33293	Instrument ID: TJETraceB
Preparation:	3050B	Prep Batch: 510-33102	Lab File ID: 1150861
Dilution:	100		Initial Weight/Volume: 1.0968 g
Date Analyzed:	05/14/2008 1543		Final Weight/Volume: 50 mL
Date Prepared:	05/10/2008 2137		

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Aluminum		6600		2300

Method:	6010B	Analysis Batch: 510-33330	Instrument ID: TJETraceC
Preparation:	3050B	Prep Batch: 510-33102	Lab File ID: 41261C
Dilution:	100		Initial Weight/Volume: 1.0968 g
Date Analyzed:	05/14/2008 2016		Final Weight/Volume: 50 mL
Date Prepared:	05/10/2008 2137		

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Sodium		48000		6800

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471A	Analysis Batch: 510-33202	Instrument ID: Leeman Hydra AA
Preparation:	7471A	Prep Batch: 510-33091	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 0.5382 g
Date Analyzed:	05/10/2008 2030		Final Weight/Volume: 50 mL
Date Prepared:	05/10/2008 1544		

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Mercury		<0.019		0.019

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Client Sample ID: **VS - SO2 - 050908**

Lab Sample ID: 510-26790-7
Client Matrix: Waste

Date Sampled: 05/09/2008 1620
Date Received: 05/09/2008 1811

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 510-33234		Instrument ID:	TJETraceB
Preparation:	3050B	Prep Batch: 510-33102		Lab File ID:	1150861
Dilution:	2.0			Initial Weight/Volume:	1.0043 g
Date Analyzed:	05/13/2008 1538			Final Weight/Volume:	50 mL
Date Prepared:	05/10/2008 2137				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Antimony		39		15
Barium		590		10
Beryllium		0.95		0.50
Cadmium		<10		10
Chromium		58		1.0
Cobalt		760		2.0
Copper		2500		5.0
Lead		76		5.0
Magnesium		3300		50
Manganese		1000		2.0
Nickel		1900		1.0
Selenium		51		2.0
Silver		12		4.0
Vanadium		72		2.0
Zinc		1300		5.0

Method:	6010B	Analysis Batch: 510-33252		Instrument ID:	TJETraceC
Preparation:	3050B	Prep Batch: 510-33102		Lab File ID:	41261C
Dilution:	2.0			Initial Weight/Volume:	1.0043 g
Date Analyzed:	05/13/2008 1556			Final Weight/Volume:	50 mL
Date Prepared:	05/10/2008 2137				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Arsenic		68		3.0
Potassium		10000		100

Method:	6010B	Analysis Batch: 510-33276		Instrument ID:	TJETraceC
Preparation:	3050B	Prep Batch: 510-33102		Lab File ID:	41261C
Dilution:	10			Initial Weight/Volume:	1.0043 g
Date Analyzed:	05/14/2008 1140			Final Weight/Volume:	50 mL
Date Prepared:	05/10/2008 2137				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Calcium		57000		500
Iron		72000		25
Thallium		<45		45

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Client Sample ID: **VS - SO2 - 050908**

Lab Sample ID: *510-26790-7*
Client Matrix: Waste

Date Sampled: 05/09/2008 1620
Date Received: 05/09/2008 1811

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 510-33293	Instrument ID: TJETraceB
Preparation:	3050B	Prep Batch: 510-33102	Lab File ID: 1150861
Dilution:	10		Initial Weight/Volume: 1.0043 g
Date Analyzed:	05/14/2008 1515		Final Weight/Volume: 50 mL
Date Prepared:	05/10/2008 2137		

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Aluminum		11000		250

Method:	6010B	Analysis Batch: 510-33330	Instrument ID: TJETraceC
Preparation:	3050B	Prep Batch: 510-33102	Lab File ID: 41261C
Dilution:	10		Initial Weight/Volume: 1.0043 g
Date Analyzed:	05/14/2008 1948		Final Weight/Volume: 50 mL
Date Prepared:	05/10/2008 2137		

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Sodium		21000		750

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471A	Analysis Batch: 510-33202	Instrument ID: Leeman Hydra AA
Preparation:	7471A	Prep Batch: 510-33091	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 0.5702 g
Date Analyzed:	05/10/2008 2033		Final Weight/Volume: 50 mL
Date Prepared:	05/10/2008 1544		

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Mercury		0.39		0.018

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Client Sample ID: VS - SO3 - 050908

Lab Sample ID: 510-26790-8
Client Matrix: Waste

Date Sampled: 05/09/2008 1630
Date Received: 05/09/2008 1811

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 510-33234		Instrument ID:	TJETraceB
Preparation:	3050B	Prep Batch: 510-33102		Lab File ID:	1150861
Dilution:	2.0			Initial Weight/Volume:	1.0373 g
Date Analyzed:	05/13/2008 1611			Final Weight/Volume:	50 mL
Date Prepared:	05/10/2008 2137				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Antimony		<14		14
Arsenic		7.9		2.9
Barium		980		9.6
Beryllium		2.5		0.48
Cadmium		<9.6		9.6
Chromium		40		0.96
Cobalt		13		1.9
Copper		34		4.8
Lead		<4.8		4.8
Magnesium		4900		48
Manganese		170		1.9
Nickel		37		0.96
Silver		<3.9		3.9
Thallium		<8.7		8.7
Vanadium		69		1.9
Zinc		27		4.8

Method:	6010B	Analysis Batch: 510-33252		Instrument ID:	TJETraceC
Preparation:	3050B	Prep Batch: 510-33102		Lab File ID:	41261C
Dilution:	2.0			Initial Weight/Volume:	1.0373 g
Date Analyzed:	05/13/2008 1635			Final Weight/Volume:	50 mL
Date Prepared:	05/10/2008 2137				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Iron		40000		4.8
Potassium		2800		96
Selenium		<1.9		1.9
Sodium		2300		140

Method:	6010B	Analysis Batch: 510-33276		Instrument ID:	TJETraceC
Preparation:	3050B	Prep Batch: 510-33102		Lab File ID:	41261C
Dilution:	100			Initial Weight/Volume:	1.0373 g
Date Analyzed:	05/14/2008 1222			Final Weight/Volume:	50 mL
Date Prepared:	05/10/2008 2137				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Calcium		39000		4800

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Client Sample ID: VS - SO3 - 050908

Lab Sample ID: 510-26790-8
Client Matrix: Waste

Date Sampled: 05/09/2008 1630
Date Received: 05/09/2008 1811

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 510-33293	Instrument ID: TJETraceB
Preparation:	3050B	Prep Batch: 510-33102	Lab File ID: 1150861
Dilution:	100		Initial Weight/Volume: 1.0373 g
Date Analyzed:	05/14/2008 1548		Final Weight/Volume: 50 mL
Date Prepared:	05/10/2008 2137		

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Aluminum		39000		2400

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471A	Analysis Batch: 510-33202	Instrument ID: Leeman Hydra AA
Preparation:	7471A	Prep Batch: 510-33091	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 0.5054 g
Date Analyzed:	05/10/2008 2036		Final Weight/Volume: 50 mL
Date Prepared:	05/10/2008 1544		

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Mercury		0.12		0.020

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Client Sample ID: **VS - WL04 - 050908**

Lab Sample ID: 510-26790-9
Client Matrix: Waste

Date Sampled: 05/09/2008 1607
Date Received: 05/09/2008 1811

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 510-33293		Instrument ID:	TJETraceB
Preparation:	3050B	Prep Batch: 510-33102		Lab File ID:	1150861
Dilution:	1.0			Initial Weight/Volume:	1.0079 g
Date Analyzed:	05/14/2008 1605			Final Weight/Volume:	50 mL
Date Prepared:	05/10/2008 2137				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Aluminum		<25		25

Method:	6010B	Analysis Batch: 510-33234		Instrument ID:	TJETraceB
Preparation:	3050B	Prep Batch: 510-33102		Lab File ID:	1150861
Dilution:	2.0			Initial Weight/Volume:	1.0079 g
Date Analyzed:	05/13/2008 1625			Final Weight/Volume:	50 mL
Date Prepared:	05/10/2008 2137				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Antimony		<15		15
Arsenic		<3.0		3.0
Barium		<9.9		9.9
Beryllium		<0.50		0.50
Cadmium		<9.9		9.9
Chromium		<0.99		0.99
Cobalt		<2.0		2.0
Copper		<5.0		5.0
Lead		<5.0		5.0
Manganese		3.8		2.0
Nickel		<0.99		0.99
Selenium		<2.0		2.0
Silver		<4.0		4.0
Thallium		<8.9		8.9
Vanadium		<2.0		2.0
Zinc		<5.0		5.0

Method:	6010B	Analysis Batch: 510-33252		Instrument ID:	TJETraceC
Preparation:	3050B	Prep Batch: 510-33102		Lab File ID:	41261C
Dilution:	2.0			Initial Weight/Volume:	1.0079 g
Date Analyzed:	05/13/2008 1652			Final Weight/Volume:	50 mL
Date Prepared:	05/10/2008 2137				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Calcium		<99		99
Iron		28		5.0
Magnesium		<50		50
Potassium		<99		99
Sodium		<150		150

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Client Sample ID: **VS - WL04 - 050908**

Lab Sample ID: 510-26790-9
Client Matrix: Waste

Date Sampled: 05/09/2008 1607
Date Received: 05/09/2008 1811

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471A	Analysis Batch: 510-33202	Instrument ID: Leeman Hydra AA
Preparation:	7471A	Prep Batch: 510-33091	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 0.5362 g
Date Analyzed:	05/10/2008 2042		Final Weight/Volume: 50 mL
Date Prepared:	05/10/2008 1544		

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Mercury		<0.019		0.019

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Client Sample ID: **VS - WP01 - 050908**

Lab Sample ID: 510-26790-10
Client Matrix: Wipe

Date Sampled: 05/09/2008 1610
Date Received: 05/09/2008 1811

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 510-33353		Instrument ID:	TJETraceC
Preparation:	3050B	Prep Batch: 510-33317		Lab File ID:	41261C
Dilution:	2.0			Initial Weight/Volume:	1 Wipe
Date Analyzed:	05/15/2008 1245			Final Weight/Volume:	50 mL
Date Prepared:	05/15/2008 0910				

Analyte	Result (mg/wipe)	Qualifier	RL
Antimony	<0.030		0.030
Arsenic	<0.0060		0.0060
Barium	0.075		0.0020
Beryllium	<0.0010		0.0010
Cadmium	<0.0020		0.0020
Manganese	0.14		0.0040
Calcium	1.4		0.20
Chromium	0.013		0.0020
Cobalt	0.068		0.0040
Copper	0.090		0.010
Iron	12		0.10
Lead	0.046		0.010
Magnesium	0.15		0.10
Nickel	0.15		0.0020
Selenium	<0.0040		0.0040
Silver	<0.0080		0.0080
Thallium	<0.018		0.018
Vanadium	<0.0040		0.0040
Zinc	0.13		0.010

Method:	6010B	Analysis Batch: 510-33360		Instrument ID:	TJETraceB
Preparation:	3050B	Prep Batch: 510-33317		Lab File ID:	1150861
Dilution:	2.0			Initial Weight/Volume:	1 Wipe
Date Analyzed:	05/15/2008 1307			Final Weight/Volume:	50 mL
Date Prepared:	05/15/2008 0910				

Analyte	Result (mg/wipe)	Qualifier	RL
Aluminum	0.42		0.10

Method:	6010B	Analysis Batch: 510-33371		Instrument ID:	TJETraceC
Preparation:	3050B	Prep Batch: 510-33317		Lab File ID:	41261C
Dilution:	2.0			Initial Weight/Volume:	1 Wipe
Date Analyzed:	05/15/2008 1621			Final Weight/Volume:	50 mL
Date Prepared:	05/15/2008 0910				

Analyte	Result (mg/wipe)	Qualifier	RL
Potassium	1.5		0.20
Sodium	2.3		0.30

General Chemistry

Client Sample ID: **VS - WLO1 - 050908**

Lab Sample ID: 510-26790-1
Client Matrix: Water

Date Sampled: 05/09/2008 1543
Date Received: 05/09/2008 1811

Analyte	Result	Qual	Units		RL	Dil	Method
pH	12.7		SU		0.0100	1.0	9040B
	Anly Batch: 510-33228		Date Analyzed	05/13/2008 1642			

Client Sample ID: **VS - WLO1 - 050908 DP**

Lab Sample ID: 510-26790-2
Client Matrix: Water

Date Sampled: 05/09/2008 1543
Date Received: 05/09/2008 1811

Analyte	Result	Qual	Units		RL	Dil	Method
pH	12.8		SU		0.0100	1.0	9040B
	Anly Batch: 510-33228		Date Analyzed	05/13/2008 1642			

Client Sample ID: **VS - WLO2 - 050908**

Lab Sample ID: 510-26790-3
Client Matrix: Water

Date Sampled: 05/09/2008 1550
Date Received: 05/09/2008 1811

Analyte	Result	Qual	Units		RL	Dil	Method
Cyanide, Total	<0.0050		mg/L		0.0050	1.0	SM 4500 CN E
	Anly Batch: 510-33229		Date Analyzed	05/13/2008 1536			
	Prep Batch: 510-33196		Date Prepared:	05/13/2008 1135			

Analyte	Result	Qual	Units		RL	Dil	Method
pH	1.72		SU		0.0100	1.0	9040B
	Anly Batch: 510-33228		Date Analyzed	05/13/2008 1642			

Client Sample ID: **VS - WSO1 - 050908**

Lab Sample ID: 510-26790-5
Client Matrix: Waste

Date Sampled: 05/09/2008 1602
Date Received: 05/09/2008 1811

Analyte	Result	Qual	Units		RL	Dil	Method
pH	10.1		SU		0.0100	1.0	9045C
	Anly Batch: 510-33262		Date Analyzed	05/14/2008 1052			DryWt Corrected: N

General Chemistry

Client Sample ID: **VS - SO1 - 050908**

Lab Sample ID: 510-26790-6
Client Matrix: Waste

Date Sampled: 05/09/2008 1617
Date Received: 05/09/2008 1811

Analyte	Result	Qual	Units		RL	Dil	Method
pH	9.29		SU		0.0100	1.0	9045C
	Anly Batch: 510-33262		Date Analyzed	05/14/2008 1052			DryWt Corrected: N

Client Sample ID: **VS - SO2 - 050908**

Lab Sample ID: 510-26790-7
Client Matrix: Waste

Date Sampled: 05/09/2008 1620
Date Received: 05/09/2008 1811

Analyte	Result	Qual	Units		RL	Dil	Method
Cyanide, Total	0.27		mg/Kg		0.25	1.0	9012A
	Anly Batch: 510-33229		Date Analyzed	05/13/2008 1546			DryWt Corrected: N
	Prep Batch: 510-33201		Date Prepared:	05/13/2008 1135			

Analyte	Result	Qual	Units		RL	Dil	Method
pH	6.10		SU		0.0100	1.0	9045C
	Anly Batch: 510-33262		Date Analyzed	05/14/2008 1052			DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: Dynamac

Job Number: 510-26790-1
Sdg Number: 20405.016.001.0442.00

Lab Section	Qualifier	Description
GC Semi VOA		
	X	Surrogate exceeds the control limits
	D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
Metals		
	F	MS or MSD exceeds the control limits
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
General Chemistry		
	F	MS or MSD exceeds the control limits

Weston Solutions, Inc.
750 East Bunker Court, Suite 500
Vernon Hills, IL 60061
(847) 915-4000 • Fax (847) 918-4055

14 January 2004

Ms. Theresa Holz
United States Environmental Protection Agency
77 West Jackson Boulevard (SE-5J)
Chicago, Illinois 60604

Re: Vitco Incorporated Site Assessment

Dear Ms. Holz:

Enclosed, please find three hard copies and one electronic copy of the Vitco Incorporated Final Letter Report for the site assessment activities that were performed on May 9, 2008.

If you have any questions or need any additional information, please feel free to contact me at 847-918-4069.

Very truly yours,

WESTON SOLUTIONS, INC.

Heidi M. Gorrill
WESTON START Project Manager